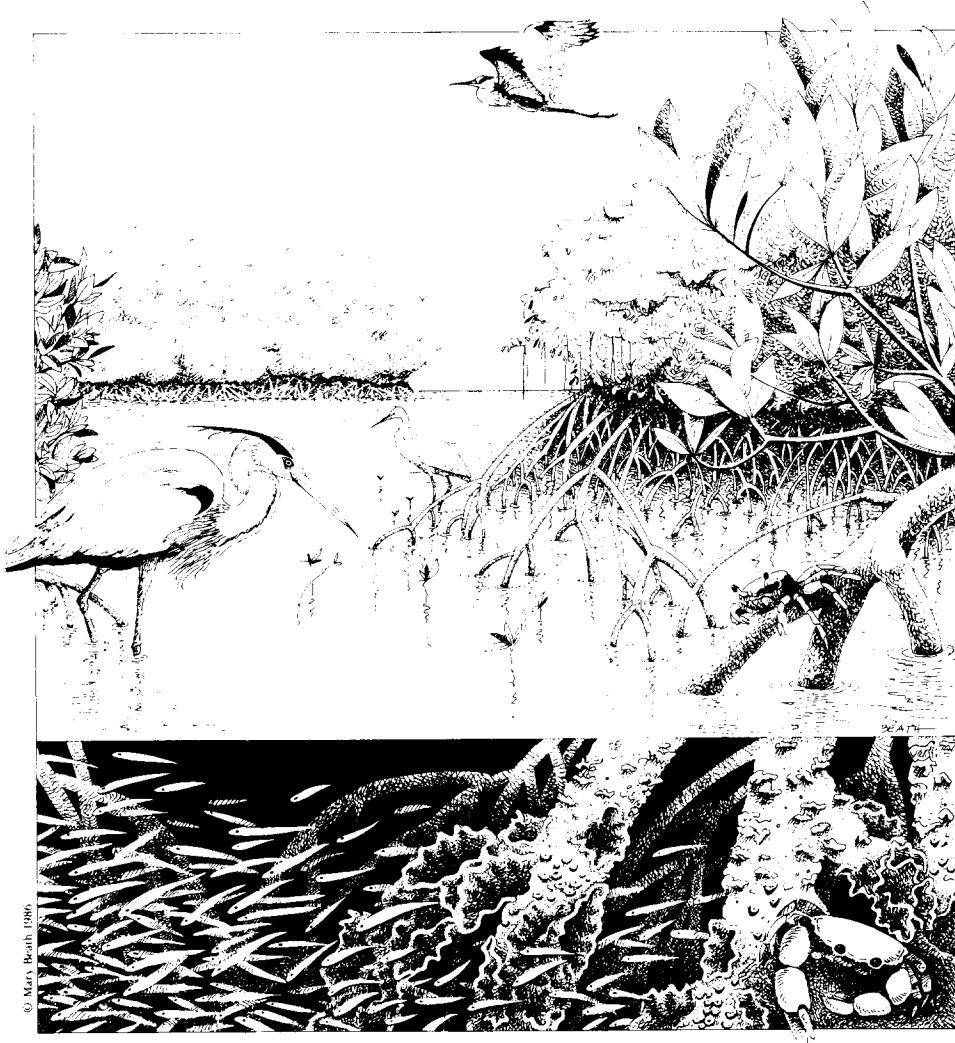


# EASTERN CARIBBEAN

## Parks and Protected Areas Bibliography



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U.S. DEPARTMENT OF THE INTERIOR  
NATIONAL PARK SERVICE  
VIRGIN ISLANDS NATIONAL PARK AND BIOSPHERE RESERVE  
ISLAND RESOURCES FOUNDATION

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# **EASTERN CARIBBEAN PARKS AND PROTECTED AREAS BIBLIOGRAPHY**

## **BIOSPHERE RESERVE RESEARCH REPORT NO. 31**

Sponsor [redacted]

### **VIRGIN ISLANDS NATIONAL PARK AND BIOSPHERE RESERVE**

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*Funding By:*

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This working bibliography is, as in the case of many bibliographies, a joint effort. The nuclear collection has been assembled and maintained by the Island Resources Foundation (IRF) and its president, Dr. Edward L. Towle, at Foundation headquarters in St. Thomas, U.S. Virgin Islands.

Extraction of this bibliography from IRF's overall Eastern Caribbean natural resource data base was the responsibility of Mr. Ian Jones of Antigua, who for two years (1987-1989) served as the Foundation's primary data management technician and assistant bibliographer. Dr. Towle and Mr. Jones were greatly assisted by Ms. Tighe Geoghegan, who provided references from the St. Croix and St. Lucia libraries of the Eastern Caribbean Natural Area Management Program (ECNAMP), now known as the Caribbean Natural Resources Institute.

References were also obtained by IRF from the Caribbean Conservation Association library in Barbados, the Virgin Islands National Park library, and the University of the Virgin Islands library at its Virgin Islands Ecological Research Station (VIERS) at Lameshur Bay, St. John. Additional Eastern Caribbean park and protected area references were obtained from the U.S. Agency for International Development-sponsored Country Environmental Profile Project and from the Eastern Caribbean data base developed by Island Resources Foundation under that project.

As the principal compiler, the Island Resources Foundation wishes to extend its special appreciation to Dr. Caroline Rogers of the Virgin Islands National Park, Mr. Allen Putney of the Caribbean Natural Resources Institute, and Mr. Jean-Pierre Bacle of Island Resources Foundation's Washington, D.C. office for their contributions to this effort.

The literature available on or relating to parks and protected areas in the Eastern Caribbean has grown significantly in just the past two decades. In 1971, there were only 65 such references. By 1981, 120 more had been added, bringing the total to 185 entries. But during the eight year period 1981 to 1989, there were 275 additional entries, an average of 34 new documents per year. The present bibliography, therefore, offers a fairly broad spectrum of technical, statistical, and analytical information to natural resource managers, park planners, and those who seek "lessons learned" and guidance from the written record.

We have excluded from the bibliography virtually all Eastern Caribbean parks legislation, rules and regulations, as well as land, boundary and demarcation survey documents. For the OECS (Organization of Eastern Caribbean States) countries, some of this information is available in the OECS/GTZ/OAS-sponsored Environmental Legislation review series prepared by Ms. Barbara Lausche and which obviously covers more than parks and protected areas in its subject matter.

We have also excluded most resource specific survey documents under such topics as soils, ground water, forests, vegetation, wildlife, watersheds, and similar subject areas if the document or study was not designed or carried out as part of a parks and protected areas initiative or project. Such documents are readily located in most country, site-specific, and regionally-focussed topical bibliographies.

For example, there is an important bibliographical summary of historical and contemporary scientific investigations focusing on the island of St. John and its environs in the recently published Virgin Islands Biosphere Reserve Report No. 29 by Dr. C. Rogers and Mr. R. Teytaud entitled "Marine and Terrestrial Ecosystems of the Virgin Islands National Park and Biosphere Reserve". This document, published under the aegis of the Virgin Islands Resource Management Cooperative, provides a synthesis of a twenty-eight part technical report series (1985-1988) and is available from the Virgin Islands National Park or the Island Resources Foundation.

Similar source listings for the OECS states can be found in the bibliographies prepared for the USAID-funded Country Environmental Profile Project for the Eastern Caribbean currently being implemented by the Caribbean Conservation Association with technical assistance from Island Resources Foundation. To have in-

cluded the same references in this bibliography would have tripled, even quadrupled its size, increasing its cost and not greatly enhancing its immediate utility -- since a very arbitrary selection process would have been necessary to screen each sectoral grouping (such as forestry, for example) for only those references relevant to parks and protected areas.

We would be remiss as a compiler of source materials on Caribbean parks and protected areas if we did not draw the reader's attention to the existence of the Virgin Islands Biosphere Reserve Center on St. John, which serves as a promising new focal point for local and regional training, information exchanges, cooperative research, monitoring, and ecological system recovery and restoration studies. Lastly, we draw the reader's attention to the publication of the "Lesser Antilles Park and Protected Area News," which contains announcements and reviews of newly issued documents and publications. At the present time, the "News" is issued as a cooperative publication by the Caribbean Conservation Association and the Caribbean Natural Resources Institute.

## **KEYWORD CODES FOR PARKS AND PROTECTED AREAS BIBLIOGRAPHY**

### **REGIONAL CODES**

[Derived from International Organization for Standardization. Codes for the Representation of Names of Countries. 2nd. ed. Geneva, ISO, 1981. (ISO 3166)]

Eastern Caribbean	XLEC
International	XZ
Latin America/Caribbean	XL
Leeward Islands	XLLW
Windward Islands	XLWW

[N.B. This is the first entry in any code listing.]

### **COUNTRY CODES**

[Derived from International Organization for Standardization. Codes for the Representation of Names of Countries. 2nd. ed. Geneva, ISO, 1981. (ISO 3166)]

Anguilla	AI
Antigua	AG
Bahamas	BS
Barbados	BB
Belize	BZ
British Virgin Islands	VG
Dominica	DM
Grenada	GD
Guadeloupe	GP
Jamaica	JM
Martinique	MQ
Montserrat	MS
Netherlands Antilles	AN
Puerto Rico	PR
St. Kitts and Nevis	KN
St. Lucia	LC
St. Vincent & the Grenadines	VC
Trinidad and Tobago	TT
Turks and Caicos Islands	TC
United States Virgin Islands	VI

[N.B. This is the second entry in any code listing.]

Island Resources Foundation/Washington, D.C.  
 Island Resources Foundation/St. Thomas, Virgin Islands  
 Virgin Islands Ecological Research Station/St. John,  
 Virgin Islands  
 Virgin Islands National Park/St. John, Virgin Islands

**IRFD**  
**IRFV**  
**VIERS**  
**VINP**

[N.B. This is the third entry (and possibly the fourth and fifth entry) in any code listing.]

### EXAMPLE: KEYWORD CODE INDEX ENTRIES

Nicholson, D., 1983. English Harbour, Antigua: A historical and archaeological sketch. Antigua Arch. Soc., St. John's, Antigua.  
 [XL, AG, IRFV, HIST, PARK, ARCH]

REGION [Caribbean]  
 COUNTRY [Antigua]  
 LIBRARY [Island Resources Foundation]

[XL, AG, IRFV] [HIST, PARK, ARCH] [TOPICAL INDEX ENTRIES]  
 (History)  
 (Parks & Protected Areas)  
 (Archaeology)

### SUBJECT KEYWORDS

<b>AGRI</b>	Agriculture	<b>CSTZ</b>	Coastal zone
<b>ALGAE</b>	Algae	<b>CULT</b>	Culture
<b>ANEG</b>	Anegada	<b>DEVE</b>	Development
<b>ANTHROP</b>	Anthropology	<b>EAR</b>	Environmental assessment
<b>ARCH</b>	Archaeology	<b>ECOL</b>	Ecology
<b>ARCT</b>	Architecture	<b>ECON</b>	Economics
<b>ARTIS</b>	Artisanal	<b>ECOS</b>	Ecosystems
	fisheries	<b>EDUC</b>	Education
<b>BAT</b>	Bats	<b>EIA</b>	Environmental impact
<b>BEACH</b>	Beaches	<b>ERSN</b>	Erosion
<b>BIB</b>	Bibliography	<b>FAUNA</b>	Fauna
<b>BIOGEOG</b>	Biogeography	<b>FISH</b>	Fisheries
<b>BIOL</b>	Biology	<b>FLORA</b>	Flora
<b>BIOLDIV</b>	Biological diversity	<b>FSTRY</b>	Forestry
<b>BIRD</b>	Birds	<b>GEN</b>	General
<b>BOTNY</b>	Botany	<b>GEOL</b>	Geology
<b>BRMHIL</b>	Brimstone Hill	<b>GIS</b>	Geographic Information Systems
<b>BURRO</b>	Burros	<b>GORDA</b>	Virgin Gorda
<b>CABRITS</b>	Cabrits	<b>GREN</b>	Grenadines (St. Vincent)
	National Park		
<b>CORAL</b>	Corals		
<b>CRAB</b>	Crabs		

<b>GTANG</b>	Grand Etang	<b>RECREATION</b>	Recreation
	Forest Reserve	<b>REEF</b>	Reefs
<b>GWATER</b>	Groundwater	<b>REPTL</b>	Reptiles
<b>HGEOL</b>	Hydrogeology	<b>RES</b>	Research
<b>HIST</b>	History	<b>RESMGT</b>	Resource management
<b>HLTH</b>	Health	<b>RIVANT</b>	River Antoine
<b>HYDR</b>	Hydrology	<b>RODBAY</b>	Rodney Bay
<b>INFO</b>	Information	<b>SAIL</b>	Sailing
<b>INFRA</b>	Infrastructure	<b>SAN</b>	Sanitation
<b>INSCT</b>	Insects	<b>SAND</b>	Sand mining
<b>INST</b>	Institutions	<b>SGRS</b>	Seagrass
<b>LAND</b>	Landuse	<b>SHRIMP</b>	Shrimps
<b>LEG</b>	Legislation	<b>SLTPND</b>	Salt ponds
<b>LEV</b>	Levera National Park	<b>SOC</b>	Sociology
<b>LOBST</b>	Lobsters	<b>SOCEC</b>	Socioeconomic
<b>MAB</b>	Man and the Biosphere Program	<b>SOIL</b>	Soil
<b>MARIA</b>	Maria Islands	<b>SPORT</b>	Sport fishing
<b>MARRES</b>	Marine resources	<b>STATS</b>	Statistics
<b>MARSCI</b>	Marine science	<b>STJ</b>	St. John (VI)
<b>MGRV</b>	Mangroves	<b>STK</b>	Fish stocks
<b>MOLLUSC</b>	Molluscs	<b>STT</b>	St. Thomas (VI)
<b>MTP</b>	Mornes Trois Pitons National Park	<b>STX</b>	St. Croix (VI)
<b>NATRES</b>	Natural resources	<b>SWST</b>	Solid, waste
<b>OCEAN</b>	Oceanography	<b>TOUR</b>	Tourism
<b>PARK</b>	Parks and protected areas	<b>TURTLE</b>	Turtles
<b>PART</b>	Participatory resource management	<b>URCHIN</b>	Sea urchins
<b>PIGISL</b>	Pigeon Island National Park	<b>VEG</b>	Vegetation
<b>PLAN</b>	Planning	<b>VINP</b>	Virgin Islands National Park
<b>POLL</b>	Pollution	<b>VIRMC</b>	V.I. Resource Management
<b>POLT</b>	Politics	<b>WATER</b>	Cooperative Water resources
<b>PORT</b>	Ports	<b>WLDDLD</b>	Wildlands
<b>PUBMGT</b>	Public management	<b>WLDLF</b>	Wildlife
		<b>WSHMGMT</b>	Watershed management
		<b>WSTD</b>	Waste disposal
		<b>ZONE</b>	Zoning

## PARKS AND PROTECTED AREAS BIBLIOGRAPHY

1. Abruna, F., 1977. Arboles ceiba en Puerto Rico. Fondo de mejoramiento, San Juan, Puerto Rico. [XL, PR, IRFV, PARK, FSTRY]
2. Adams, J., et al., 1975. Potential national natural landmarks: U.S. Virgin Islands. Prep. by West Indies Lab., St. Croix, VI, for National Park Service. [XL, VI, IRFV, NATRES, PARK]
3. Adams, J., Phillips, E. and Edison, M., 1979. Site alternatives for a community and cultural center, St. John, U.S. Virgin Islands. Community and Cultural Center Task Force. [XL, VI, IRFV, STJ, CULT, SOC, PARK]
4. Alexander, J., 1981. Virgin Islands park system. Draft. Unpubl. report. [XL, VI, IRFV, STJ, PARK, RESMGT]
5. Anderson, M., et al., 1986. Ecological community type maps and biological descriptions for Buck Island Reef National Monument and proposed marine park sites in the British Virgin Islands. U.S. National Park Service. Biosphere Reserve Report no. 4. Island Res. Found., St. Thomas, VI. [XL, VI, IRFV, ECNAMP, STX, VG, VINP, VIRMIC, ECOL, BIOL, PARK]
6. Anderson, P., 1987. Proposed Shoal Point [Shoal Bay East] Marine Park. Unpubl., Dept. Land & Surveys, Anguilla. [XL, AI, CK, PARK]
7. Anguilla Government, 1974. Marine Parks Ordinance, 1974. The Valley, Anguilla. [XL, AI, IRFV, PARK, LEG, RESMGT]
8. Antoine, P., 1984. River Antoine: An estate and its history. Prepared for the Government of Grenada and the Eastern Caribbean Natural Management Program with the assistance of the Canadian High Commission in Barbados. ECNAMP, St. Lucia. [XL, GD, IRFV, PARK, RIVANT, HIST]
9. Ausherman, B. and Chapman, W., 1985. Anegada site report. Prep. for ECNAMP, St. Croix, VI. [XL, VG, ECNAMP, PARK, ANEG, ARCT, HIST]
10. Bacon, P. and French, R. (eds.), 1972. The wildlife sanctuaries of Trinidad and Tobago. Wildlf. Conserv. Comm., Min. Agri., Lands & Fish., Trinidad. [XL, TT, IRFV, WLDF, PARK, RESMGT]
11. Barr, L., et al., 1971. Ecology and population dynamics of the spiny lobster, *Panulirus argus*, of St. John Island, U.S. Virgin Islands. In: Miller, J., VanDerwalker, J. and Waller, R. (eds.), Scientists in the sea, VI-34 - VI-57. Dept. Interior, Washington, DC. [XL, VI, IRFV, STJ, LOBST, BIOL, ECOL]
12. Batisse, M., 1985. Developing and focusing the biosphere reserve concept. Unpubl report. [XZ, GEN, IRFV, PARK, RESMGT]

USNPS and ISLAND RESOURCES FOUNDATION

13. Baud-Bovy, M. and Lawson, F., 1979. Tourism and recreation development. CBI Publ. Co., Boston, MA. [XZ, GEN, IRFV, PARK RECREATION, TOUR, RESMG71]
14. Beard, J., 1942. Montane vegetation of the Antilles. Carib. Forester, 5:61-74. [XL, REG, CK FSTRY, VEG, ECOL, BIOL]
15. Beard, J., 1944. Climax vegetation in tropical America. Ecology, 25:127-158. [XL, REG, CK FSTRY, VEG, BOTNY, BIOL, ECOL]
16. Beard, J., 1944. Provisional list of trees and shrubs of the Lesser Antilles. Caribbean Forester, 5:48-67. [XLEC, REG, CK FSTRY, VEG, BOTNY, BIOL]
17. Beard, J., 1945. Forestry in the Leeward islands: The British Virgin Islands report. Deve 1.a and Welfre in theWe West InesBul BulA.16p 16pp. [C,V VG, FSTY
18. Beard, J., 1949. The natural vegetation of the Windward and Leeward Islands. Oxford Forestry Memoir, no. 21, Clarendon Press, Oxford, UK. [XLEC, REG, CK VEG, FLORA]
19. Beard, J., 1955. The classification of tropical American vegetation types. Ecology, 36:89-100. [XL, REG, CK VEG, BOTNY, ECOL]
20. Beets, J. and Lewand, L., 1986. Collection of common organisms within the Virgin Islands National Park/Biosphere Reserve. U.S. National Park Service. Biosphere Reserve Report no. 3. Island Resources Foundation, St. Thomas, VI. [XL, VI, IRFV, ECNAMP, VIRMC, STJ, VINP, BIOL, PARK]
21. Beets, J., Lewand, L. and Zullo, E., 1986. Marine community descriptions and maps of bays within the Virgin Islands National Park/Biosphere Reserve. U.S. National Park Service. Biosphere Reserve Report no. 2.Isl Island RescesFoundati on, St. Thomas, VI. [XL, VI,IR FV,ECNA MP,STJ, VINP, VIRMC, MARRES, BIOL, PARK]
22. Bjorklund, M., 1974. Achievements in marine conservation, I. Marine parks. Env. Conserv., 1(3):205-224. [XL, GEN, IRFV, PARK RESMGT]
23. Blower, J., 1984. National parks for developing countries. In: McNeely, J. and Miller, K. (eds.), National Parks, Conservation and Development, :722-727. Smithsonian Inst. Press, Washington, DC. [XZ, GEN, IRFV, PARK RESMGTJ]
24. Botkin, D., 1985. The need for a science of the biosphere. Interdisciplinary Sci. Rev., 10(3):267-278. [XZ, GEN, IRFV, PARK RESMGT]
25. Boulon, R., 1983. Country summary for the U.S. Virgin Islands. In: Wood, J. (ed.), Proc. Workshop on biosphere reserves and other protected areas for sustainable development in small Caribbean islands. :128-132. Nat. Park Serv., Atlanta, GA. [XL, VI, IRFV, ECNAMP, PARK RESMGT]

26. Boulon, R., 1986. Fisheries habitat of the Virgin Islands region of ecological importance to the fishery resources of the Virgin Islands Biosphere Reserve. U.S. National Park Service. Biosphere Reserve Report no. 9. Island Resources Foundation, St. Thomas, VI. [XL, VI, IRFV, ECNAMP, VIRM, VINP, STJ, FISH, ECOL, PARK]
27. Boulon, R., 1986. Map of fishery habitats within the Virgin Islands Biosphere Reserve. U.S. National Park Service. Biosphere Reserve Report no. 8. Island Resources Foundation, St. Thomas, VI. [XL, VI, IRFV, ECNAMP, VINP, VIRM, FISH, ECOL, ECOS, PARK]
28. Boulon, R., 1987. A basis for long-term monitoring of fish and shellfish species in the Virgin Islands National Park. U.S. National Park Service. Biosphere Reserve Report no. 22. Island Resources Foundation, St. Thomas, VI. [XL, VI, IRFV, ECNAMP, VIRM, STJ, FISH, ECOL, RES, PARK]
29. Boulon, R. and Clavijo, I., 1986. Utilization of the Virgin Islands Biosphere Reserve by artisanal fishermen. U.S. National Park Service. Biosphere Reserve Report no. 11. Island Resources Foundation, St. Thomas, VI. [XL, VI, IRFV, ECNAMP, VIRM, STJ, FISH, ARTIS, RESMGT, PARK]
30. Boulon, R., Beets, J. and Zullo, E., 1986. Long-term monitoring of fisheries in the Virgin Islands Biosphere Reserve. U.S. National Park. Biosphere Reserve Report no. 13. Island Resources Foundation, St. Thomas, VI. [XL, VI, IRFV, ECNAMP, STJ, VIRM, FISH, ECOL, BIOL, RES, PARK]
31. Boulon, R., Norton, R. and Agardy, T., 1982. Status of the Brown Pelican (*Pelecanus O. occidentalis*) in the Virgin Islands. Dept. Conserv. Cult. Aff., Govt. V.I., St. Thomas, VI, 25pp. [XL, VI, CK, BIRD, RESMGT]
32. Bovey, R., 1986. Montserrat - a summary of available information and a proposal for a system of natural protected sites. Unpubl. report to Montserrat National Trust, Montserrat Govt. & WWF. [XL, MS, ECNAMP, NATRES, PARK]
33. Bovey, R., et al., 1987. Montserrat National Park - Ecological and cultural feasibility assessment. Montserrat National Trust. [XL, MS, CK, PARK, ECOL, CULT]
34. Bowden, M., et al., 1970. Climate, water balance and climatic change in the northwest Virgin Islands. Carib. Res. Inst., St. Thomas, VI. [XL, VI, IRFV, MET, WATER, RESMGT]
35. Bowden, M., et al., 1974. Hurricanes in paradise: Perception and reality of the hurricane hazard in the Virgin Islands. Island Resources Foundation, 115pp. [XL, VI, IRFV, NATDIS, MET, HIST]
36. Braithwaite, S., 1983. An analysis of the geology and major water bodies in the proposed area for the Levera National Park (Grenada). Prep. for Govt. Grenada and ECNAMP. [XL, GD, ECNAMP, GEOL, PARK, WATER, HYDR, GEOC]

37. Bramwell, D., et al. (eds.), 1987. Botanic gardens and the world conservation strategy. Proc. International conference 26-30 november 1985, held at Las Palmas de Gran Canaria, Spain. Academic Press, London, UK. [XZ, GEN, IRFV, RESMGT, BIOL]
38. Brander, B. and Wood, J. (eds.), 1982. Abstracts of the Colloquium on Long-Term Ecological Research in the Virgin Islands. National Park Service, Southeast Region Office, Atlanta, GA. [XL, VI, IRFV, ECNAMP, ECOL, BIOL, PARK, LAND, REEF, SLTPND]
39. Braunstein, Y., 1982. Economics of user fees: General results and special applications to information. ASPA Conf., Panel on User Fees, Honolulu, March 1982. [XZ, GEN, IRFV, ECON, PARK, TAX]
40. British Virgin Islands National Park Trust, and Eastern Caribbean Natural Area Management Program, 1986. North Sound, Virgin Gorda, BVI: A guide for yachtsmen and explorers. ECNAMP, St. Croix, VI. [XL, VG, ECNAMP, PARK, GORDA, SAIL, TOUR]
41. British Virgin Islands National Parks Trust, and Eastern Caribbean Natural Area Management Program, 1986. A parks and protected areas system plan for the British Virgin Islands. ECNAMP, St. Croix, V.I. [XL, VG, ECNAMP, PARK, RESMGT, LEG, ECON]
42. British Virgin Islands National Parks Trust, ECNAMP, and Town & Planning Office, 1985. Background information on the Baths proposed protected area, Virgin Gorda, British Virgin Islands. ECNAMP working document, St. Croix, V.I. [XL, VG, ECNAMP, GORDA, PARK, SOCEC, RESMGT]
43. British Virgin Islands National Parks Trust, ECNAMP, and Town & Country Planning Office, 1986. Study of management alternatives for the Baths proposed protected area, Virgin Gorda, British Virgin Islands. ECNAMP Working Document, St. Croix, V.I. [XL, VG, ECNAMP, GORDA, RESMGT, PARK]
44. British Virgin Islands National Park Trust, ECNAMP, and Town & Country Planning Office, 1986. The Baths, a management strategy for the proposed protected area. ECNAMP Working Document, St. Croix, V.I. [XL, VG, ECNAMP, RESMGT, PARK, GORDA]
45. Britton, N., 1918. The Flora of the American Virgin Islands. Mem. Brooklyn Bot. Gard. 1:19-118. [XL, VI, CK, BOTNY]
46. Britton, N., 1923. Botanical Exploration of Puerto Rico and the Virgin Islands. Jour. N.Y. Bot. Gard. 24:93-99. [XL, PR, VI, CK, BOTNY]
47. Britton, N. and Wilson, P., 1923. Descriptive flora - Spermatophyta: Botany of Porto Rico and the Virgin Islands. N.Y. Acad. Sci., Sci. Surv., Porto Rico/Virgin Islands. [XL, VI, PR, CK, BOTNY]

48. Brown, S., 1982. An overview of Caribbean Forests. In: Lugo, A. and Brown, S. (eds.), Foretry in the Caribbean. U.S. MAB Report 7:8-21. [XL, REG, IRFV, FSTRY, BOTNY]
49. Brown, S. and Scheffel, M., 1985. Recovery of soil organic carbon through forest succession in St. John, Virgin Islands National Park. Unpublished Report. [XL, VI, CK, STJ, SOIL, FSTRY, BIOL, VINP]
50. Burnett, R. and Burnett, E., 1983. Report on a preliminary survey of the cultural and related resources of Cane Garden Bay. Prep. for BVI Parks and Protected Areas Project. [XL, ECNAMP, PARK, CULT, HIST, NATRES]
51. Butler, P., 1981. Conservation and the involvement of basic groups. ENDA Workshop, June 1981. [XL, LC, CK, PARK, PART, RESMGT]
52. Butler, P., 1984. Conservation of natural resources in St. Lucia. In: Lugo, A, and Brown, S. (eds.), Watershed Management in the Caribbean. Institute of Tropical Forestry, Rio Piedras, PR, : 111-117. [XL, IRFV, LC, ECNAMP, WSHMGT, RESMGT, NATRES, PARK]
53. Cahn, R., 1969. Will success spoil the national parks. Christian Science Monitor. [XZ, GEN, IRFV, PARK, RESMGT]
54. Canada Government, 1969. National parks policy. Nat/Hist. Parks Branch, Indian Aff. North. Dev., Ottawa, Canada. [XZ, GEN, IRFV, PARK, RESMGT]
55. Carlozzi, C., 1964. Caribbean parks, nature reserves, historical sites: A development proposal. Amer. Conserv. Assoc., Inc. [XL, REG, IRFV, PARK, HIST, RESMGT]
56. Carlozzi, C., 1967. A report on the development of national parks and beaches system for Barbados. Carib. Res. Inst., St. Thomas, VI. [XL, BB, IRFV, PARK, BEACH, RESMGT]
57. Carlozzi, C., n.d. An approach to site selection for national parks, nature reserves and other natural areas. Unpubl. report. [XL, GEN, IRFV, PARK, RESMGT]
58. Carlozzi, C. and Carozzi, A., 1968. Conservation and Caribbean regional progress. Caribbean Research Institute, St. Thomas, VI. [XL, REG, IRFV, BIOGEOG, PARK, ECOL, RESMGT, ECON, DEVE]
59. Chakalall, B. and Geoghegan, T., 1983. Lesser Antillean Biosphere Reserve. Parks 8(2):7-8. [XLEC, REG, IRFV, ECNAMP, PARK, RESMGT]
60. Christian, C., 1986. Cabrits project summary. Presented at the Lesser Antilles Coastal Protected Areas Workshop. Unpubl. report. [XL, DM, IRFV, PARK, CABRITS]

61. Cintron, G., Maddux, W. and Burkholder, P., 1970. Some consequences of brine pollution in the Bahia Fosforecente, Puerto Rico. Limnology and Oceanography, 15(2):246-249. [XL, PR, IRFV, POLL, PARK, NATRES]

62. Claringbould, R., Deakin, J. and Foster, P., 1984. Data review of reef related tourism 1946-1980. Gt. Barrier Reef Marine Park Authority, Res. Publ. [XZ, GEN, IRFV, REEF, PARK, TOUR, RESMGT]

63. Clark, J., 1987. Coastal and marine parks in the Caribbean - Jamaica, St. Vincent and the Grenadines. Unpubl. [XL, JM, VC, ECNAMP, PARK, RESMGT, CSTZ]

64. Clarke, N., 1984. A management plan for the proposed Dogs Protected Area. Prep. for BVI Parks and Protected Areas Project. [XL, VG, ECNAMP, RESMGT, PARK]

65. Clarke, N., 1984. Management plans for The Baths Protected Area (draft). Prep. for BVI Parks and Protected Areas Project. [XL, VG, ECNAMP, GORDA, RESMGT, PARK]

66. Clarke, N., 1984. Rhone Marine Park: Draft management plan. Prep. for BVI Parks and Protected Area Project. [XL, VG, ECNAMP, PARK, RESMGT]

67. Clifton, H. and Hunter, R., 1972. The sand tilefish, *Malacanthus plumieri*, and the distribution of coarse debris near West Indian coral reefs. In: Collette, B. and Earle, S. (eds.), Results of the Tektite Program: Ecology of coral reef fishes. Nat. Hist. Mus. Los Angeles Ct. Sci. Bull. 14:87-92. [XL, VI, IRFV, STJ, FISH, BIOL, ECOL]

68. Cobham Resource Consultants, 1988. Turks and Caicos Islands: Ecological survey and environmental policies for the National Physical Development Plan. Prep. for United Nations Center Human Settlements. [XL, TC, IRFV, ECOL, RESMGT, PARK, INST]

69. Coblenz, B., 1983. Exotic animal influences in Virgin Islands National Park. Report to VINP, St. Thomas. [XL, VI, CK, STJ, VINP, WLDLF, ECOL]

70. Coblenz, B., 1986. A possible reason for agedifferential foraging success in Brown Pelicans. Jour. Field Ornithol., 57:63-64. [XL, VI, CK, BIRD, BIOL]

71. Coblenz, B. and Coblenz, B., 1984. Reproduction of the mongoose (*Herpestes auropunctatus*) on St. John, U.S. Virgin Islands. Draft. Unpubl. report. [XL, VI, IRFV, STJ, MONG, WLDLF, BIOL]

72. Coblenz, B. and Coblenz, B., 1985. Control of the Indian Mongoose *Herpestes auropunctatus* on St. John, U.S. Virgin Islands. Biol. Conserv. 33:281-288. [XL, VI, IRFV, STJ, WLDLF, RESMGT, MONG]

73. Coblenz, B. and Coblenz, B., 1985. Reproduction and the annual fat cycle of the mongoose on St. John, U.S. Virgin Islands. Jour. Mamm. 66:560-563. [XL, VI, CK, MONG, BIOL, WLDLF]

## PARKS AND PROTECTED AREAS BIBLIOGRAPHY

---

74. Collette, B. and Earle, S. (eds.), 1972. Results of the Tektite program: Ecology of coral reef fishes. Nat. Hist. Mus. Los Angeles Cty. Sci. Bull. 14. [XL, VI, IRFV, STJ, BIOL, CORAL, REEF, FISH, BOTNY, SHRIMP]
75. Collette, B. and Talbot, F., 1972. Activity patterns of coral reef fishes with emphasis on nocturnal-diurnal change-over. In: Collette, B. and Earle, S. (eds.), Results of the Tektite Program: Ecology of coral reef fishes. Nat. Hist. Mus. Los Angeles Ct. Sci. Bull. 14:98-124. [XL, VI, CK, STJ, REEF, FISH, BIOL, ECOL]
76. Conservation Foundation. 1968. Rookery Bay Area project: A demonstration study in conservation and development, Naples, Florida. Conserv. Foundation, Washington, DC. [XZ, GEN, IRFV, PARK, RESMGT]
77. Corke, D., 1983. The reptiles of the Maria Islands, St. Lucia. Prep. for ECNAMP and World Wildlife Fund. [XL, LC, ECNAMP, PARK, WLDLF, MARIA, REPTL, BIOL, ECOL]
78. Cosner, O., 1972. Water in St. John, U.S. Virgin Islands. USGS, Water Res. Div., Carib. Distr., Open-file report, San Juan, PR. [XL, VI, IRFV, STJ, GWATER, HYDR, HGEOL]
79. Crumpacker, D., 1986. U.S. inventory of macroreserves: Development of a national ecosystem conservation database. Report to U.S. MAB Proj. Directorate on Biosphere Reserves. [XZ, GEN, IRFV, INFO, COMPT, PARK, ECOS, ECOL, RESMGT]
80. Cullen, R., 1985. Rationing recreation use of public land. Jour. Env. Mgt., 21:213-224. [XZ, GEN, IRFV, PARK, RECREATION, LAND, RESMGT]
81. Culver, D., 1972. Competition between ants on St. John. Unpubl. notes, Lameshur, St. John. [XL, VI, VIER, STJ, PARK, BIOL]
82. Curry, C., 1970. Entomological checklist for the Virgin Islands Ecological Research Station and Virgin Islands National Park Museum, St. John. VINP, St. Thomas. [XL, VI, CK, STJ, VINP, INSCT, BIOL]
83. Curtis, R., Guzman-Rios, S. and Diaz, P., 1985. Water resource data for St. John. In: Water resources data, Puerto Rico and the Virgin Islands. Water year 1984. U.S. Geol. Surv. Water Data Report PR-84-1. [XL, VI, IRFV, STJ, WATER, HYDR, HGEOL]
84. Dammann, A., 1986. Assessment of fish and shellfish stocks produced in the Biosphere Reserve. U.S. National Park Service. Biosphere Reserve Report no. 10. Island Resources Foundation, St. Thomas, VI. [XL, VI, IRFV, ECNAMP, VIRM, FISH, VINP, STJ, STK, RESMGT, PARK]
85. Darling, F. and Eichorn, N., 1969. Man and nature in the national park. Conservation Foundation, Washington, DC. [XZ, GEN, IRFV, PARK, RESMGT]
86. Dasmann, R., 1969. Man and the Biosphere: A challenge for UNESCO in a new international program. Unpubl. report. [XZ, GEN, IRFV, PARK, RESMGT]

87. Dasmann, R., 1973. A system for defining and classifying natural regions for purposes of conservation. IUCN Occ. Paper no. 7. [XZ, GEN, IRFV, PARK, ECOL]
88. Davis, G., 1977. Anchor damage to a coral reef on the coast of Florida. Biol. Conserv., 11:29-34. [XZ, GEN, IRFV, REEF, RESMGT, SAIL, PARK]
89. Davis, G. and Dodrill, J., 1980. Marine parks and sanctuaries for spiny lobster fisheries management. Proc. Gulf Carib. Fish. Inst. 32. [XL, REG, CK, PARK, RESMGT, LOBST]
90. Devaux, R., 1975. St. Lucia historic sites. St. Lucia National Trust, Castries, St. Lucia, no.1. [XL, IRFV, LC, ECNAMP, HIST, PARK, ARCH]
91. Devaux, R., 1987. Conservation of St. Lucia's national and cultural heritage. Unpubl. manuscript. [XL, LC, CK, PARK, CULT, SOC, ANTHROP]
92. Ditton, R., 1972. The social and economic significance of recreation activities in the marine environment. Univ. Wisc. Sea Grant Prog., Tech. Rpt. no. 11. [XZ, GEN, IRFV, SOC, ECON, RECREATION, PARK]
93. Dobbin, J. Associates, 1983. Looe Key National Marine Sanctuary management plan. Prep. for Sanct. Prog. Div., NOAA, Washington, DC. [XZ, GEN, IRFV, PARK, RESMGT]
94. Dominica Government, 1975. Dominica: National parks and protected areas, 1975. Act No.16 of 1975, Roseau, Dominica. [XL, DM, IRFV, ECNAMP, LEG, PARK, RESMGT]
95. Dominica Government, 1986. National parks and protected areas (Cabrits National Park) order, 1986. Statutory Rules and Orders No.54 of 1986, Roseau, Dominica. [XL, DM, IRFV, PARK, LEG, CABRITS]
96. DPA Group Inc., 1985. Draft plan for Nelson's Dockyard National Park, Antigua. Prep. for Americas Branch, CIDA, and Govt. Antigua, 2 Volumes. [XL, AG, IRFV, PARK, ECON, TOUR, LAND, RESMGT, HIST, LEG]
97. DuBois, R., 1985. Coastal fisheries management: Prep. for U.S. Nat. Park Serv., Int. Aff. Branch, by IRF, VI. [XL, VI, IRFV, PARK, FISH, RESMGT, CSTZ]
98. Durquat, P., 1974. Development of Grand Etang Forest Reserve, Grenada. Report of visit of 4.12.74, St. George's, Grenada. [XL, GD, CK, PARK, FSTRY, GTANG]
99. DuSaussay, C., 1983. Comparison of legislation on marine parks and reserves, Australia, Japan, New Zealand, Seychelles, Trinidad and Tobago. Can. Inst. Sci. Tech. Info., Nat. Res. Council, Ottawa, Canada. [XZ, GEN, TT, IRFV, LEG, RESMGT, PARK]

100. Earhart, J., Reilly, A. and Davis, M., 1988. Initial inventory of three permanent forest plots in the Virgin Islands National Park. U.S. National Park Service. Biosphere Reserve Report no. 27. Island Resources Foundation, St. Thomas, VI. [XL, VI, IRFV, ECNAMP, STJ, FSTRY, BOTNY, ECOL, PARK, VIRMC]
101. Earle, S. and Lavenberg, R. (eds.), 1975. Results of the Tektite program: Coral reef invertebrates and plants. Nat. Hist. Mus. Los Angeles Cty. Sci. Bull. 20. [XL, VI, IRFV, STJ, BIOL, LOBST, CRAB, CORAL]
102. Eastern Caribbean Natural Area Management Program (ECNAMP), 1982. North Sound, Virgin Gorda: A study of management alternatives for the community and its natural resources. System of marine parks and protected areas proposal. ECNAMP, St. Croix, VI. [XL, VG, IRFV, ECNAMP, NATRES, DEVE, RESMGT, PARK]
103. Eastern Caribbean Natural Area Management Program (ECNAMP), and St. Lucia National Trust, 1985. Maria Islands Nature Reserve: Interpretive guide. Castries, St. Lucia. [XL, LC, ECNAMP, MARIA, NATRES, RESMGT, PARK]
104. Eastern Caribbean Natural Area Management Program (ECNAMP) and St. Lucia Government, 1983. A report on a study of conservation and development requirements for the southeast coast of St. Lucia. ECNAMP/GOSL project. [XL, IRFV, LC, ECNAMP, PARK, NATRES, RESMGT, SECOST, DEVE]
105. Economic Commission for Latin America and the Caribbean, 1987. Managing marine protected areas for sustainable development: A handbook for Caribbean Island nations. Preliminary proposal. ECLAC, Port-of-Spain, Trinidad. [XL, REG, IRFV, PARK, RESMGT]
106. Edwards, R., 1985. Report of a survey on agricultural needs in the Nelson's Dockyard National Park area. Prep. for ECNAMP, St. Croix, VI. [XL, AG, ECNAMP, PARK, AGRI, RESMGT]
107. Eidsvik, H., 1984. Biosphere reserves in concept and in practice. Presented to the Conference on the Management of Biosphere Reserves. Great Smokies National Park/Biosphere Reserve, Nov. 1984. [XZ, GEN, IRFV, PARK, RESMGT]
108. Eidsvik, H., 1984. Remove the myth, Build the reality. Parks, 9(2):15-16. [XZ, GEN, IRFV, PARK, RESMGT]
109. Elliott, H. (ed.), 1974. Second world conference on national parks. Yellowstone and Grand Teton National Parks, USA, September 18-27 1974. IUCN, Morges, Switzerland. [XZ, GEN, IRFV, PARK, RESMGT]
110. Engel, J., 1985. Biosphere reserves as sacred space. In: Renewing the bond of mankind and nature. [XZ, GEN, IRFV, PARK, RESMGT]
111. Ewel, J. and Whitmore, J., 1973. The ecological life zones of Puerto Rico and the Virgin Islands. Forest Serv. Res. Paper ITF-18, Inst. Trop. Forest., Rio Piedras, PR. [XI, PR, VI, IRFV, ECOL, ECOS, FSTRY, BOTNY]

112. Feazel, C., 1975. Ecozonation and sediment distribution of three reef areas on St. John, U.S. Virgin Islands. Ph.D. dissertation, Johns Hopkins Univ., Baltimore, Md. [XL, VI, CK, STJ, GEOL, REEF]
113. Fernald, E., et al., 1982. Guidelines for identification, evaluation and selection of biosphere reserves in the United States. U.S. MAB Prog., Proj. 8, Atlanta, GA. [XZ, GEN, IRFV, PARK, RESMGT]
114. Fiedler, R. and Jarvis, N., 1932. Fisheries of the Virgin Islands of the U.S. U.S. Dept. Comm., Bur. Fish., Invest. Report no. 14, 32pp. [XL, VI, CK, FISH, BIOL]
115. Field, D. and Wagar, J., 1973. Visitor groups and interpretation in parks and other outdoor leisure settings. Jour. Env. Educ., 5(1):12-17. [XZ, GEN, IRFV, PARK, EDUC, RESMGT]
116. Finney, C. and Western, S., 1986. An economic analysis of environmental protection and management: An example from the Philippines. The Environmentalist, 6(1):45-61. [XZ, GEN, IRFV, ECON, PARK, RESMGT]
117. Food and Agriculture Organization, 1987. FAO workshop on forestry, wildlife and national parks policy and legislation in the Eastern Caribbean. 4-9 July 1987, St. Lucia. FAO, working document no. 1., Barbados. [XLEC, REG, IRFV, LEG, RESMGT, FSTRY, WLDF, PARK]
118. Forman, R. and Godron, M., 1981. Patches and structural components for a landscape ecology. Bioscience 31(10):733-740. [XL, VI, CK, LAND, ECOL]
119. Forster, R., 1973. Planning for man and nature in national parks. IUCN Publ. New ser. no. 26, Morges, Switzerland. [XZ, GEN, IRFV, PARK, RESMGT]
120. Foster, N., 1986. National marine sanctuaries: Saving offshore ecosystems. Sea Technology, November 1986:25-29. [XZ, GEN, IRFV, PARK, RESMGT, ECOL]
121. Foster, N. and Lemay, M., 1989. Managing marine protected areas: An action plan. U.S. MAB Prog., U.S. Dept. State, Washington, DC. [XZ, GEN, IRFV, PARK, RESMGT, ECON, EDUC, CULT]
122. Fournet, J., 1982. Compte-rendu de la mission a Sainte-Lucie. France, Ministre de L'Agriculture/INRA-CRAAG. Prep. for ECNAMP, St. Lucia. [XL, LC, ECNAMP, BOTNY, MARIA, PARK, BIOL]
123. Franklin, J., 1977. The biosphere reserve program in the United States. Science, 195:262-267. [XZ, GEN, IRFV, PARK, RESMGT]
124. Franklin, J. and Krugman, S. (eds.), 1976. Selection, management and utilization of biosphere reserves. U.S. Forest Serv., U.S. Dept. Agri., Washington, DC. [XZ, GEN, IRFV, PARK, RESMGT]
125. Freed, M., 1987. Advanced environmental education and natural resource management workshop (Final report). Dept. Reg. Dev., OAS, Washington, DC. [XL, TT, CK, EDUC, RESMGT, PARK]

## PARKS AND PROTECTED AREAS BIBLIOGRAPHY

---

126. Freed, M., 1987. Advanced environmental education and natural resource management workshop (Course manual). Dept. Reg. Dev., OAS, Washington, DC. [XL, TT, CK, EDUC, RESMGT, PARK]
127. Frome, M., 1981. Politics and the parks: Our national leaders have played politics with our national park system. National Parks, (Sept./Oct.):28-30. [XZ, GEN, IRFV, PARK, POLT]
128. Frondorf, A., 1987. The national park service COMMON data base. Natural resources report series no. 87-1. Off. Nat. Res., Nat. Park Serv., Washington, DC. [XZ, GEN, IRFV, PARK, RESMGT, INFO, COMPT]
129. Geoghegan, T., 1985. Econotes: Planning and managing a small nature reserve in the Caribbean, the Maria Islands. Trinidad Naturalist, June 1985. [XL, LC, ECNAMP, MARIA, PARK, RESMGT]
130. Geoghegan, T., 1985. Public participation and managed areas in the Caribbean. Parks 10(1): [XL, REG, ECNAMP, PART, RESMGT, PARK]
131. Geoghegan, T., 1989. British Virgin Islands National Parks Trust concession system plan. East. Carib. Nat. Area Mgt. Prog., St. Croix, VI. [XL, VG, IRFV, PARK, ECON]
132. Gerharts, L., et al., 1975. Field guide National Park Washington, Bonaire. Carib. Mar. Biol. Inst. Coll. Papers, 10(161). [XL, AN, IRFV, PARK, BIOL]
133. Gibson, J., 1986. Hol Chan Marine Reserve: Draft management plan. Unpubl. report. [XL, BZ, IRFV, PARK, RESMGT]
134. Gilbert, V., c1986. An approach to improving natural resource management in the South Appalachian region. Draft report. [XZ, GEN, IRFV, RESMGT, PARK]
135. Gjessing, F., 1972. Progress report on restoration of Prince of Wales Bastion, Brimstone Hill, St. Kitts, W.I. Prep. for Soc. Restor. Brimstone Hill, St. Kitts. [XL, KN, IRFV, ARCH, BRMHIL]
136. Gladfelter, E. and Monahan, R., 1976. Environmental studies of Buck Island Reef National Monument. Proc. First Conference on Scientific Research in National Parks, New Orleans. U.S. Govt. Printing Off., Washington, DC. [XL, VI, IRFV, STX, RESMGT, BIOL, REEF, PARK, ECOL]
137. Gladfelter, E., Monahan, R. and Gladfelter, W., 1978. Growth rates of five reef-building corals in the northeastern Caribbean. Bull. Mar. Sci. 28:728-734. [XL, REG, IRFV, CORAL, REEF, BIOL]
138. Gladfelter, W., et al., 1977. Environmental studies of Buck Island National Monument, St. Croix, USVI. Spec. Report, Nat. Park Serv., Washington, DC. [XL, VI, CK, STX, PARK, REEF, CORAL, RESMGT, NATRES]

139. Goodwin, M., Goodwin, S. and Putnam, K., 1982. Survey of marine habitats in the proposed Levera National Park, Grenada. Prep. for CCA/ECNAMP. [XL, GD, IRFV, PARK ECOL]
140. Graefe, A., Kuss, F. and Vaske, J., 1987. Recreation impacts and carrying capacity: A visitor impact management framework. Nat. Parks Cons. Assoc., Washington, DC. [XZ, GEN, IRFV, PARK RESMGT]
141. Great Barrier Reef Marine Park Authority, 1985. Environmental effects of offshore tourist development on the Great Barrier Reef. 3rd. South Pacific Nat. Park/Reserves Conf., W. Samoa. [XZ, GEN, IRFV, PARK RESMGT, TOUR, REEF]
142. Green, K., 1989. National park planning for tourism development and coordination: Guidelines and case study from OAS experiences, in Saint Lucia. Prep. for Workshop Project Development for National Parks, Dominica. Dept. Reg. Dev., OAS, Washington, DC. [XL, LC, CK PARK TOUR RESMGT]
143. Gregg, W., 1983. Building science programs to support the multiple roles of biosphere reserves. Presented at First International Congress on Biosphere Reserves, Minsk, Byelorussian SSR. 26 Sept.-2 Oct., 1983. [XZ, GEN, IRFV, PARK RESMGT]
144. **Greg, W.**, 1983. MAB and its biosphere reserves project. George Wright Forum, Spring 1983:17-31. [XZ, GEN, IRFV, PARK RESMGT]
145. Gregg, W., 1983. Multiple-site biosphere reserves for better management of regional ecosystems. 1983 workshop at Caneel Bay, St. John. [XZ, GEN, IRFV, PARK RESMGT, ECOL, ECOS]
146. Gregg, W., 1984. The international network of biosphere reserves: A new dimension in global conservation. In: Veziroglu, T. (ed.), The biosphere: Problems and solutions. Elsevier Science Publ. B.V., Amsterdam. [XZ, GEN, IRFV, PARK RESMGT]
147. Gregg, W. and McGean, B., 1985. Biosphere reserves: Their history and their promise. Orion Nature Q., Summer 1985:41-51. [XZ, GEN, IRFV, PARK RESMGT]
148. Gregoire, F., 1977. A general description of the proposed Northern Forest Reserve of Dominica with tentative proposals for a management system. B.Sc. Thesis, Univ. New Brunswick, N.B., Canada. [XL, DM, CK PARK FSTRY, RESMGT]
149. Grenada Government, and Organization of American States, 1988. Plan and policy for a system of national parks and protected areas. Integrated Development Prog., St. George's, Grenada. [XL, GD, IRFV, ECNAMP, PARK RESMGT, TOUR, NA TRES]

150. Grenada Government, and Organization of American States, 1985. Institutional analysis and arrangements for the establishment and management of a national parks and protected areas program in Grenada. Integrated Development Prog., St. George's, Grenada. [XL, GD, CK, PARK, INST, RESMGT]
151. Hain, H., 1987. Belize. Oceanus, 30(4):76-84. [XL, BZ, IRFV, ECOL, HIST, GEOL, FISH, RESMGT, TOUR, PARK]
152. Hajost, S., 1986. The United States marine sanctuaries program and freedom of navigation. Unpubl. report. [XZ, GEN, IRFV, PARK, SAIL, RESMGT]
153. Halas, J., 1985. A unique mooring system for reef management in the Key Largo National Marine Sanctuary. Proc. 5th Int. Coral Reef Congr., Tahiti, 4:263-268. [XZ, GEN, IRFV, PARK, RESMGT, SAIL]
154. Halewyn, R. and Norton, R., 1984. The status and conservation of seabirds of the Caribbean. In: Croxall, J., Evans, P. and Schreiber, R. (eds.), Status and conservation of the world's seabirds. ICBP Tech Publ. no. 2, 779pp. [XL, REG, IRFV, BIRD, RESMGT, BIOL]
155. Harris, D., 1963. Plants, animals and man in the outer Leeward Islands, West Indies: An ecological study of Antigua, Barbuda, and Anguilla. Univ. Calif. Publ. Geog. 18:i + 184. [XL, REG, IRFV, ECOL, BOTNY, BIOL, WLDFL]
156. Harrison, J. and Karpowicz, Z., 1987. Protected landscapes - facts and figures. IUCN Conservation Monitoring Centre, Cambridge, United Kingdom. [XZ, GEN, IRFV, RESMGT, PARK, LAND]
157. Hart, W., 1966. A system approach to park planning. Int. Union Conserv. Nat., Morges, Switzerland. [XZ, GEN, IRFV, PARK, RESMGT, LAND, SOC, ECON, PLAN]
158. Hayes, M. and Lawrence, N., 1982. A survey of the Maria Islands marine environments (Vieux Fort, St. Lucia). Fish. Mgt. Unit, Castries, St. Lucia. [XL, LC, ECNAMP, MARIA, RESMGT, ECOL, BIOL, PARK]
159. Hayward, B., 1969. Report on bat collections made at Lameshur Bay, St. John, V.I., June 28 to July 4, 1969. Western New Mexico Univ., Silver City, NM. [XL, VI, CK, BAT, WLDFL, STJ, BIOL]
160. Helmsley, A., 1973. Methods of interpretation. Presented at the Annual Meeting of the Caribbean Conservation Association. Roseau, Dominica. 28-30 Sept. 1973. [XL, REG, IRFV, PARK, RESMGT]
161. Herrnkind, W., VanDerwalker, J. and Barr, L., 1975. Population dynamics, ecology and behavior of spiny lobsters, *Panulirus argus*, of St. John, USVI (IV). In: Earle, S. and Lavenberg, R. (eds.), Results of the Tektite program. Nat. Hist. Mus. Los Angeles County. Sci. Bull. 20:31-45. [XL, VI, CK, STJ, ECOL, LOBST, FISH]

162. Heyman, A., 1988. Combining socio-economic development and resource conservation: Development of Caribbean marine parks. Project proposal. [XL, REG, IRFV, SOC, ECON, RESMGT, PARK]

163. Heyman, A., 1988. Self-financed resource management: A direct approach to maintaining marine biological diversity. Unpubl. report. [XL, REG, IRFV, RESMGT, PARK, BIOLDIV, ECON]

164. Heyman, A., et al., 1988. Development of the Tobago Cays National Park: Project proposal. Govt. St. Vincent & Grenadines/OAS, Kingstown, St. Vincent. [XL, VC, IRFV, PARK, GREN]

165. Highfield, A., et al., 1985. Bibliographic holdings of the V.I. National Park libraries relative to the U.S. Virgin Islands and the Danish West Indies. VINP, St. Thomas. [XL, VI, CK, STJ, BIB]

166. Hirvonen, H. and Cote, R., 1986. Control strategies for the protection of the marine environment. Marine Policy, 1986(January):19-28. [XZ, GEN, IRFV, RESMGT, MARRES, PARK]

167. Hoffman, C., 1974. A study of beach dynamics under varying wave environments at Cinnamon, Trunk, and Hawksnest Bays, St. John, U.S.V.I. M.A. Thesis, Univ. Virginia. [XL, VI, CK, STJ, BEACH, CSTZ, ERSN]

168. Hoffman, S., Robinson, A. and Dolan, R., 1974. Virgin Islands beach processes investigation, St. John, Virgin Islands. Nat. Park Serv., Washington, DC, Occ. Paper no. 1. [XL, VI, IRFV, PARK, BEACH, CSTZ, ERSN]

169. Holdridge, L., 1967. Life zone ecology. Revised ed. Tropical Science Center, San Jose, Costa Rica. 206pp. [XL, REG, CK, ECOL, ECOS, BOTNY]

170. Holling, C., 1985. Resilience of ecosystems: Local surprise and global change. In: Malone, T. (ed.), Global change. Cambridge Univ. Press, Cambridge, U.K. :228-269. [XZ, GEN, IRFV, ECOL, ECOS]

171. Honychurch, L., 1982. The Cabrits and Prince Ruperts Bay: History and nature notes. Dominica Inst., Roseau, Dominica. [XL, DM, CK, PARK, CABRITS, HIST, RESMGT]

172. Honychurch, L., c1980. The Cabrits National Park. Pamphlet. [XL, DM, IRFV, ECNAMP, PARK, HIST, RESMGT, CABRITS]

173. Honychurch, P. and Putney, A., 1978. Dominica's national park: Vegetation. Dominica National Park Service, Roseau, Dominica. [XL, DM, IRFV, ECNAMP, VEG, BOTNY, BIOL, PARK]

174. Honychurch, P. and Putney, A., 1978. Dominica's national park: Wildlife. Dominica National Park Service, Roseau, Dominica. [XL, DM, IRFV, ECNAMP, PARK, WLDLF, BIOL]

## PARKS AND PROTECTED AREAS BIBLIOGRAPHY

---

175. Honychurch, P. and Putney, A., 1978. Dominica's national park: Water. Prep. for Dom. Nat. Park. Serv., Roseau, Dominica. [XL, DM, IRFV, ECNAMP, PARK, WATER]

176. Honychurch, P. and Putney, A., 1978. Dominica's national park: Concept and purposes. Prep. for Dom. Nat. Park Serv., Roseau, Dominica. [XL, DM, IRFV, ECNAMP, PARK, RESMGT]

177. Honychurch, P. and Putney, A., 1978. Dominica's national park: Geology and soils. Prep. for Dom. Nat. Park Serv., Roseau, Dominica. [XL, DM, IRFV, ECNAMP, PARK, GEOL, SOIL]

178. Howard, R., 1952. Suggestions for the preservation of botanical species endemic to the islands of the Antilles. Third General Assembly, IUCN, Caracas, September 1952. [XL, REG, IRFV, BOTNY, RESMGT]

179. Howard, R., 1953. Botanical gardens in West Indies history. Jour. New York Bot. Gard. [XL, REG, IRFV, PARK, BOTNY, HIST]

180. Howard, R., 1954. A history of the botanic garden of St. Vincent, British West Indies. Geog. Rev., 44(3):381-393. [XL, VC, IRFV, BOTNY, PARK, HIST]

181. Howard, R., 1973. The vegetation of the Antilles. In: Graham, A. (ed.), Vegetation and vegetation history of northern South America. :1-38. Elsevier, N.Y. [XL, REG, IRFV, BOTNY]

182. Howard, R., 1979. Flora of the West Indies. In: Larsen, K. and Holm-Nielsen, L. (eds.), Tropical botany. :239-250. Acad. Press, London. [XL, REG, IRFV, BOTNY]

183. Howard, R. and Powell, D., 1965. The Indian botanic garden, Calcutta and the gardens of the West Indies. Bull. Botanical Study of India, 7( 1-4):1-7. [XL, REG, VIER, FLORA, HIST, VEG]

184. Howard, R., et al., 1979. Monocotyledoneae. Volume 3. Flora of the Lesser Antilles: Leeward and Windward Islands. Arnold Arboretum of Harvard Univ., Cambridge, MA. [XLEC, REG, IRFV, BOTNY]

185. Howard, R., et al., 1988. Dicotyledoneae - Part 1. Volume 4. Flora of the Lesser Antilles: Leeward and Windward Islands. Arnold Arboretum of Harvard Univ., Cambridge, MA. [XLEC, REG, CK, BOTNY]

186. Howard, R., et al., 1988. Dicotyledoneae - Part 2. Volume 5. Flora of the Lesser Antilles: Leeward and Windward Islands. Arnold Arboretum of Harvard Univ., Cambridge, MA. [XLEC, REG, CK, BOTNY]

187. Howard, R., et al., 1989. Dicotyledoneae - Part 3. Volume 6. Flora of the Lesser Antilles: Leeward and Windward Islands. Arnold Arboretum of Harvard Univ., Cambridge, MA. [XLEC, REG, CK, BOTNY]

188. Hubbard, D., 1980. Storm-related versus seasonal changes at Buck Island beach. In: Gladfelter, E. and Gladfelter, W. (eds.), Environmental studies of Buck Island Reef National Monument, St. Croix, U.S.V.I. West Indies Lab., St. Croix. p.1-25. [XL, VI, CK, BEACH, STX, PARK, ERSN, CSTZ]
189. Hubbard, D., 1987. A general review of sedimentation as it relates to environmental stress in the Virgin Islands Biosphere Reserve and the Eastern Caribbean in general. U.S. National Park Service. Biosphere Reserve Report no. 20. Island Resource Foundation, St. Thomas, VI. [XL, VI, IRFV, ECNAMP, STJ, VIRMC, GEOL, RESMGT, PARK]
190. Hubbard, D., Stump, J. and Carter, B., 1987. Sedimentation and reef development in Hawksnest, Fish and Reef Bays, St. John, U.S. Virgin Islands. U.S. National Park Service. Biosphere Reserve Report no. 21. Island Resource Foundation, St. Thomas, VI. [XL, VI, IRFV, STJ, VIRMC, GEOL, REEF, HYDR]
191. Hudson, B., 1986. Landscape as resource for national development: A Caribbean view. Geography, :116-121. [XL, REG, IRFV, LAND, RESMGT]
192. Idyll, C. and Randall, J., 1959. Sport and commercial fisheries potential of St. John, V.I. 4th Int. Game Fish Conf., Univ. Miami, FL. [XL, VI, CK, STJ, FISH, SPORT, STK, RESMGT]
193. International Union for Conservation of Nature and Natural Resources, 1973. A working system for classification of world vegetation. IUCN Occ. Paper no. 5. [XZ, GEN, IRFV, PARK, BOTNY, ECOL]
194. International Union for Conservation of Nature and Natural Resources, 1974. Biotic provinces of the world: Further development of a system for defining and classifying natural regions for purposes of conservation. IUCN Occ. Paper no. 9. [XZ, GEN, IRFV, PARK, RESMGT, BIOL, ECOL]
195. International Union for Conservation of Nature and Natural Resources, 1975. 1975 United Nations list of national parks and equivalent reserves. IUCN Publ. New Ser. no. 33, Morges, Switzerland. [XZ, GEN, IRFV, PARK]
196. International Union for Conservation of Nature and Natural Resources, 1975. The use of ecological guidelines for development in the American humid tropics. Proc. International meeting held at Caracas, Venezuela, 20-22 February 1974. IUCN, Morges, Switzerland. [XZ, GEN, IRFV, ECOL, ECON, SOIL, MET, AGRI, PARK, RESMGT, FSTRY]
197. International Union for Conservation of Nature and Natural Resources, 1976. An international conference on marine parks and reserves. Tokyo, Japan, 12-14 May 1975, IUCN, Publ. New Ser. no. 37. [XZ, GEN, IRFV, PARK, RESMGT]
198. International Union for Conservation of Nature and Natural Resources, 1979. The biosphere reserve and its relationship to other protected areas. IUCN, Morges, Switzerland. [XZ, GEN, IRFV, PARK, RESMGT]

99. International Union for Conservation of Nature and Natural Resources, 1985. 985 United Nations list of national parks and protected areas. IUCN, Gland, Switzerland. [XZ, GEN, IRFV, PARK]

200. International Union for Conservation of Nature and Natural Resources, 1986. Parks. Commission on National Parks and Protected Areas. 11(4). [XL, REG, TIER, PARK, RES, ENV]

201. Island Resources Foundation, 1982. Land acquisition for the Virgin Islands National Park. A comparative assessment of land value and pricing of purchased and donated property, 1973-1979. Island Resources Foundation, St. Thomas, VI. [XL, VI, IRFV, STJ, LAND, PARK]

202. Jackson, I., 1980. Seagrass beds and mangroves of the BVI. Joint CCA/BVI Government marine parks and protected areas systems project. Roadtown, Tortola. [XL, VG, IRFV, ECNAMP, PARK, MGRV, SGRS, ECOL, BIOL]

203. Jackson, I., 1981. A preliminary management strategy for the utilization of the critical marine resources of Anguilla. East. Carib. Nat. Area Mgt. Prog. [XL, AI, IRFV, PARK, MARRES, SOCEC, RESMGT, FISH, SAND, SLTPND]

204. Jackson, I., 1981. A system of marine parks and protected areas for the British Virgin Islands. Draft. ECNAMP, St. Croix, VI. [XL, VG, ECNAMP, PARK, RESMGT]

205. Jackson, I., 1985. Parks and protected areas: A Caribbean perspective. AID-NPS Nat. Res. Tech. Bull. no. 8. [XL, REG, ECNAMP, PARK, RESMGT]

206. Jadan, D., c1975. A guide to the natural history of St. John. V.I. Conserv. Soc., St. Thomas, VI. [XL, VI, IRFV, STJ, BIOL, NATRES, BOTNY]

207. James, A., 1985. Flora and fauna of the Cabrits Peninsula. Cabrits Proj., Forestry & Wildlife Div., Min. Agri., Dominica. [XL, DM, IRFV, ECNAMP, PARK, NATRES, FLORA, FAUNA, CABRITS]

208. James, A., 1986. Cabrits plants and their uses. Dominica Forest. & Wildlf. Div., Roseau, Dominica. [XL, DM, CK, PARK, BOTNY]

209. Jane, C., 1982. Shirley Heights: The story of the Redcoats in Antigua. Nelson's Dockyard Nat. Park Found., English Harbour, Antigua. [XL, AG, IRFV, HIST, PARK, ARCH]

210. Johnson, C., 1950. St. John and St. Thomas, Virgin Islands of the United States. Nat. Park Service, Washington, DC. [XL, VI, IRFV, STJ, STT, PARK, HIST, ARCH]

211. Johnson, S. and Pierrepont, S., 1972. Palau and a Seventy Islands Tropical Park. Nat. Parks Conserv. Mag., 46(4):12-17, 46(7):4-8, 46(8):9-13. [XZ, GEN, IRFV, PARK, RESMGT]

212. Kelleher, G., c1980. Management of the Great Barrier Reef. Unpubl. report. [XZ, GEN, IRFV, PARK, REEF, RESMGT]
213. Kelleher, G. and Kenchington, R., 1982. Australia's Great Barrier Reef Marine Park: Making development compatible with conservation. Ambio, 11(5):262-267. [XZ, GEN, IRFV, REEF, PARK, RESMGT, DEVE]
214. Kenchington, R., c1975. Marine park management principles. Gt. Barrier Reef Marine Park Authority. [XZ, GEN, IRFV, PARK, RESMGT]
215. Kepler, C., 1971. Bird survey of St. Thomas (off-shore islands) and St. John, U.S. Virgin Islands. Unpubl. report. [XL, VI, CK, BIRD, BIOL, STT, STJ]
216. King, G., 1965. Brimstone Hill: Gibraltar of the West Indies. National Geographic Society. [XL, KN, CK, HIST, BRMHIL]
217. Knausenberger, W., Matuszak, J. and Thomas, T., 1987. Herbarium of the Virgin Islands National Park: Consolidation and curation of a reference collection. U.S. National Park Service. Biosphere Reserve Report no. 18A. Island Resources Foundation, St. Thomas, VI. [XL, VI, IRFV, ECNAMP, STJ, VIRMC, BOTNY, BIOL, PARK]
218. Koester, S., 1986. Socioeconomic and cultural role of fishing and shellfishing in the Virgin Islands Biosphere Reserve. U.S. National Park Service. Biosphere Reserve Report no. 12. Island Resources Foundation, St. Thomas, VI. [XL, VI, IRFV, ECNAMP, STJ, VIRMC, SOCEC, CULT, FISH, ANTHROP, PARK]
219. Koester, S., 1987. Anegada's resources: An overview of their use and a discussion concerning their place in the island's future development. Prep. for BVI Nat. Parks Trust, Tortola, BVI. [XL, VG, ECNAMP, PARK, ANEG, NATRES, RESMGT]
220. Koester, S., 1987. Fishing and marine resource use around Anegada. Prep. for Nat. Parks Trust, BVI Govt. (and ECNAMP). [XL, VG, ECNAMP, PARK, FISH, MARRES, ECON, SOC, ANEG]
221. Kolcuoglu, K., 1986. The Maria Islands nature reserve and interpretation centre: Tourism development and tourism marketing study. OAS report, Washington, DC. [MRKT, CK, XL, LC, PARK, TOUR, MARIA, NATRES, RESMGT, ECON]
222. Kolcuoglu, K., 1987. Pigeon Island National Park: Tour development and tour marketing study and strategy. Dept. Reg. Dev., OAS, Washington, DC. [XL, LC, CK, PIGISL, PARK, TOUR, DEVE, MRKT]
223. Kumpf, H. and Randall, H., 1961. Charting the marine environments of St. John, U.S. Virgin Islands. Bull. Mar. Sci. Gulf & Carib., 11(4):543-551. [XL, VI, IREV, STJ, MARRES, ECOL, BIOL]

224. \_ Kushler, T., 1982. North Sound, Virgin Gorda: A study of management alternatives for the community and its natural resources (Draft). Univ. Michigan, School of Nat. Res., Ann Arbor, MI. [XL, VG, ECNAMP, GORDA, RESMGT, PARK]
225. LaBastille, A. and Pool, D., 1978. On the need for a system of cloud-forest parks in Middle America and the Caribbean. Env. Conserv., 5(3):183-190. [XL, REG, IRFV, FSTRY, PARK BOTNY]
226. Larsen, L., 1986. The Danish colonization of St. John, 1718-1733. Virgin Islands Resource Management Cooperative publication. Island Resources Foundation, St. Thomas, VI. [XL, VI, IRFV, STJ, HIST, AGRI]
227. Lausche, B., 1980. Guidelines for protected areas legislation. Int. Union Conserv. Nature, Switzerland. [XZ, GEN, ECNAMP, RESMGT, LEG, PARK]
228. Lazell, J., 1980. Report: British Virgin Islands, 1980. Conservancy Agency, Jamestown, RI. [XL, VG, IRFV, ECNAMP, BIOL, ECOL, PARK RESMGT]
229. Leslie, S., 1982. Study of the social, cultural, and other aspects of Cane Garden Bay. Prep. for BVI Parks and Protected Areas Project. [XL, VG, ECNAMP, SOC, CULT, PARK]
230. Lettsome, B., 1981. Survey of mangrove and critical terrestrial areas in the British Virgin Islands. ECNAMP Working Document, St. Croix, VI. [XL, VG, ECNAMP, MGRV, ECOL, PARK LAND, RESMGT]
231. Levitan, D., 1988. Algal-urchin biomass responses following the mass mortality of *Diadema antillarum* Philippi at St. John. Jour. Exp. Mar. Biol. Ecol. [XL, VI, CK STJ, ALGAE, BIOL, URCHIN]
232. Lewis, J., 1971. Development of the Grand Etang Forest Reserve. Min. Agri. For. Fish., St. George's, Grenada. [XL, GD, GTANG, PARK FSTRY]
233. Lewis, J., 1975. A preliminary description of the coral reefs of the Tobago Cays, Grenadines, West Indies. Bellairs Res. Inst., St. James, Barbados. [XL, VC, IRFV, CORAL, REEF, GREN, BIOL, ECOL]
234. Liogier, A., 1965. Nomenclature changes and additions to Britton and Wilson's "Flora of Porto Rico and the Virgin Islands". Rhodora 67:315-361. [XL, PR, VI, CK BOTNY]
235. Liogier, A., 1967. Further changes and additions to the flora of Puerto Rico and the Virgin Islands. Rhodora 66:372-376. [XL, PR, VI, CK BOTNY]
236. Little, E. and Wadsworth, F., 1964. Common trees of Puerto Rico and the Virgin Islands. Agri. Handbook 49, USDA Forest Service, Washington, DC. [XL, PR, VI, IRFV, FSTRY, BOTNY]

237. Little, E., Woodbury R. and Wadsworth, F., 1974. Trees of Puerto Rico and the Virgin Islands, Vol. 2. Agri. Handbook 449, USDA Forest Service, Washington, DC. [XL, PR, VI, FSTRY, BOTNY]

238. Llewelyn-Davies Weeks and Maxwell Stamp Associates Ltd., 1980. Development plan for the English and Falmouth Harbours area. Prep. for Govt. Antigua, St. John's, Antigua. [XL, AG, IRFV, TOUR, PARK, DEVE]

239. Loomis, J., Sorg, C. and Donnelly, D., 1986. Evaluating regional demand models for Estimating recreation use and economic benefits: A case study. Water Resources Research, 22(4):431-438. [XZ, GEN, IRFV, RECREATION, ECON, WATER, PARK]

240. Lucas, P., 1972. Report on second World Conference on National Parks. Held at Yellowstone and Grand Teton National Parks, Wyoming, USA. 18-27 Sept. 1972. Dept. Lands & Survey, Wellington, New Zealand. [XZ, GEN, IRFV, PARK, RESMGT]

241. Lugo, A., Schmidt, R. and Brown, S., 1981. Tropical forests in the Caribbean. Ambio 10:318-324. [XL, REG, IRFV, FSTRY, BOTNY]

242. MacArthur, R. and Wilson, E., 1967. The theory of island biogeography. University Press, Princeton. 203pp. [XZ, GEN, CK, ISL, BIOGEOG]

243. MacFarland, C., 1985. Consultancy on establishment, planning and management of a national parks and protected areas system in Grenada. Govt. Grenada/OAS Integr. Dev. Proj., St. George's, Grenada. [XL, GD, IRFV, PARK]

244. Machlis, G. and Tichnell, D., 1985. The state of the world's parks. Westview Press, Boulder, Colo. [XZ, GEN, IRFV, ECNAMP, PARK, RESMGT]

245. MacKinnon, J., et al., 1986. Managing protected areas in the tropics. Int. Union Conserv. Nature, Gland, Switzerland. [XZ, GEN, ECNAMP, RESMGT, PARK]

246. MacKintosh, B., 1982. Assateague Island National Seashore: An administrative history. Nat. Park Serv., Hist. Div., Washington, DC. [XZ, GEN, IRFV, PARK, RESMGT, CSTZ]

247. Maguire, C., 1975. Turks and Caicos proposed reserves, parks and sanctuaries. Admin. Off., Turks & Caicos Isl. Govt., Grand Turk, Turks & Caicos. [XL, TC, CK, PARK, RESMGT]

248. Mann, R., 1977. Capacity challenge for recreational boating: Land and water. Unpubl. paper. [XZ, GEN, IRFV, RECREATION, SAIL]

249. Margetson, F., 1986. Some observations on the development of a system of parks and protected areas (Montserrat National Park). Discussion paper - Montserrat National Trust. [XL, MS, CK, PARK]

250. Matheson, D., 1983. The Brimstone Hill Fortress. Offset Commercial Printers  
Ltd. St. Kitts. XVI KN IRFV HIST BRMHILL

251. Matheson, D., c1986. Application for the Brimstone Hill Fortress National Park, St. Kitts to be Included in UNESCO's World Heritage List. Unpubl. [XL, JON, IRFV, HIST, PARK BRMHIL]
252. Mathieson, A., et al, 1975. Phycological studies during Tektite II, at St. John, USVI. In: Earle, S. and Lavenberg, R. (eds.), Results of the Tektite Program: Coral reef invertebrates and plants. Nat. Hist. Mus. Los Angeles Sci. Bull. 20:77-103. [XL, VI, IRFV, STJ, BIOL, ECOL, REEF]
253. Matuszak, J., Craft, E. and Knausenberger, W., 1987. Establishment and soil characterization of long-term forest monitoring plots in the Virgin Islands Biosphere Reserve. U.S. National Park Service. Biosphere Reserve Report no. 18B. land Resources Foundation, St. Thomas, VI. [XL, VI, IRFV, ECNAMP, STJ, VIRMC, SOIL, FSTRY, RES, PARK]
254. McCormick, G., 1975. Some site-specific problems in marine conservation. IUCN 13th Tech. Mtg., Kinshasa, Zaire, 7-19 Sept. 1975. [XZ, GEN, IRFV, PARK RESMGT]
255. McGean, B., 1986. Approaches toward biosphere reserve assessment: Case studies in the Caribbean. Trop. Res. Inst., Yale School Forest. Env. Sci., New Haven, CT. [XL, REG, IRFV, FSTRY, PARK RESMGT]
256. McHenry, T. and Gane, M., 1988. Report to the Government of Dominica on forestry, wildlife and national parks policy and legislation. FAO, Rome. [XL, DM, IRFV, FSTRY, WLDLF, PARK RESMGT, LEG]
257. McHenry, T. and Gane, M., 1988. Report to the Government of Grenada on forestry, wildlife and national parks policy and legislation. FAO, Rome. [XL, GD, IRFV, FSTRY, WLDLF, PARK RESMGT, LEG]
258. McHenry, T. and Gane, M., 1988. Report to the Government of Montserrat on forestry, wildlife and national parks policy and legislation. FAO, Rome. [XL, MS, IRFV, FSTRY, WLDLF, PARK LEG, RESMGT]
259. McHenry, T. and Gane, M., 1988. Report to the Government of St. Lucia on forestry, wildlife and national parks policy and legislation. Food and Agriculture Organization, Rome. [XL, LC, IRFV, FSTRY, WLDLF, PARK LEG, RESMGT]
260. McHenry, T. and Gane, M., 1988. Report to the Government of St. Vincent and the Grenadines on forestry, wildlife and national parks policy and legislation. FAO, Rome. [XL, VC, IRFV, FSTRY, WLDLF, PARK RESMGT, LEG]
261. McNeely, J. and Miller, K., 1982. National parks, conservation, and development: The role of protected areas in sustaining society. Smithsonian Inst. Press, Washington, DC. [XZ, GEN, IRFV, PARK RESMGT, DEVE]
262. Meganck, R., Huber, R. and Macfarland, C., 1985. Establishment, planning and management of national parks and protected areas: Draft policy statement. OAS, Washington, DC. [XL, GD, CK PLAN, PARK RESMGT]

263. Melnick, R., 1984. Cultural landscapes: Rural historic districts in the national park system. Prep. for Nat. Park Serv., Washington, DC. [XZ, GEN, IRFV, PARK, RESMGT, CULT, RUR]
264. Menz, J. and Lewis, J., 1974. A reconnaissance level analysis of the economic feasibility relating to the multiple-use development of the Grand Etang Forest Reserve, Grenada. St. George's, Grenada. [XL, GD, CK, ECON, GTANG, PARK]
265. Mill, L., 1979. Visual resources management of the sea. Unpubl. report. [XL, VI, IRFV, RESMGT, PARK]
266. Miller, J., VanDerwalker, J. and Waller, R. (eds.), 1971. Tektite 2: Scientists in the sea. U.S. Dept. Interior, Washington, DC. [XL, VI, IRFV, STJ, OCEAN, FISH, BIOL, GEOL, LOBST, POLL, CORAL]
267. Miller, K., 1972. Development and training of personnel: The foundation of national park programmes in the future. 2nd World Conf. on Nat. Parks, Sept. 18-27, 1972. [XZ, GEN, IRFV, PARK, RESMGT, TRAIN]
268. Miller, K., 1982. Planning national parks for ecodevelopment: Methods and cases from Latin America. Volume I & Volume II. Fundacion para la Ecologia y para la Proteccion del Medio Ambiente. Madrid, Spain. [XZ, GEN, IRFV, PARK, RESMGT, DEVE, WLDD]
269. Moore, A., 1984. Operations manual for a protected areas system, guidelines for developing countries. FAO, Conserv. Guide no. 9, Rome. [XZ, GEN, ECNAMP, PARK, RESMGT]
270. Moreau, J-P., 1988. Guide des tresors archeologiques sous-marins des Petites Antilles. Editions Jean-Pierre Moreau, Clamart, France. [XLEC, REG, IRFV, ARCH, PARK, HIST]
271. Muchmore, W., 1982. Survey of terrestrial invertebrates of St. John (abstract). In: Wood, J. (ed.), Abstracts of the Colloquium on Long-term Ecological Research in the Virgin Islands. NPS, Atlanta, GA p.19. [XL, VI, CK, STJ, BIOL]
272. Muchmore, W., 1987. Terrestrial invertebrate animals of the Virgin Islands National Park, St. John, USVI.: An annotated checklist. Dept. Biol., Univ. Rochester, Rochester, NY. [XL, VI, IRFV, STJ, PARK, BIOL, INSCT, MOLLUSC]
273. National Oceanic and Atmospheric Administration, and U.S. Virgin Islands Government, 1981. Proposed St. Thomas National Marine Sanctuary and draft environmental impact statement. Off. Coast. Zone Mgt., NOAA, Washington, DC. [XL, VI, IRFV, STT, PARK, RESMGT, EIA]
274. National Oceanic and Atmospheric Administration, and U.S. Virgin Islands Government, 1981. Draft environmental impact statement: Proposed St. Thomas National Marine Sanctuary. Off. Coastal Zone Mgt., Nat. Ocean. Atmos. Admin., Washington, DC. [XL, VI, IRFV, ECNAMP, STT, EIA, RESMGT, PARK]

275. National Park of Guadeloupe, 1979. The National Park of Guadeloupe: Short presentation. Carib. Conserv. Assoc., 13th Ann. Gen. Mtg., 26-29 Sept. 1979 [XL, FR, IRFV, PARK RESMGT, GP]
276. National Park Service, 1960. Virgin Islands Park and recreation area plan. National Park Service, Washington, DC. [XL, VI, IRFV, PARK NATRES, RECREATION]
277. National Park Service, 1970. Public use of the national parks. Div. Mgt. Analysis, Nat. Park Serv., Washington, DC. [XZ, GEN, IRFV, PARK RESMGT, STATS]
278. National Park Service, 1974. Management policies. NPS, Washington, DC. [XZ, GEN, IRFV, PARK RESMGT]
279. National Park Service, 1974. Point Reyes National Seashore, California: Interpretive prospectus. Nat. Park Serv., Washington, DC. [XZ, GEN, IRFV, PARK RESMGT, CSTZ, RECREATION]
280. National Park Service, 1976. Environmental assessment solid waste study: Virgin Islands National Park. Contract no. CX-2000-5-0029 [XL, VI, IRFV, STJ, PA, SWST, WSTD, EAR, LAND, ZONE]
281. National Park Service, 1976. National recreation trails in the southeast. Nat. Park Serv., S.E. Reg. Off., Atlanta, GA. [XZ, GEN, IRFV, PARK RECREATION]
282. National Park Service, 1977. Assessment of alternatives: Solid waste study, Virgin Islands National Park. Denver Service Center, NPS, Denver, CO. [XL, VI, IRFV, STJ, SWST, WSTD, SAN, RESMGT]
283. National Park Service, 1980. State of the parks, 1980: A report to Congress. Off. Sci. Tech., NPS, Washington, DC. [XZ, GEN, IRFV, PARK RESMGT]
284. National Park Service, 1983. Buck Island Reef National Monument, United States Virgin Islands. General management plan, development concept plan, environmental assessment. Virgin Islands National Park, St. Thomas, VI. [XL, VI, IRFV, PARK RESMGT, EAR]
285. National Park Service, 1983. Virgin Islands National Park. General management plan. Development plan. Environmental assessment. NPS, Denver Service Center, Denver, CO. [XL, VI, IRFV, ECNAMP, STJ, RESMGT, DEVE, PARK CULT]
286. National Park Service, 1984. Draft. Land protection plan for Virgin Islands National Park. V.I. Nat. Park, St. John, VI. [XL, VI, IRFV, STJ, LAND, PARK RESMGT]
287. National Park Service, 1987. Roadway project #100(1), Northshore Road, Virgin Islands National Park. NPS, Turkey Run Park, McLean, VA. [XL, VI, IRFV, STJ, PARK RESMGT, CENG, ERSN]

288. Naturalist, 1971. Grand Teton National Park, Wyoming. 22(1). [XZ, GEN, IRFV, PARK RESMGT, GEOL, ECOL, ECOS, HIST, ARCH]
289. Nellis, D., Rudman, R. and Swanbeck, A., 1988. The behavior and ecology of feral burros on St. John, USVI: Draft report. Div. Fish & Wildif., Dept. Conserv. Cult. Aff., St. Thomas, VI. [XL, VI, IRFV, STJ, PARK BURRO, ECOL, WLDLF]
290. Nichols, M. and Brush, S., 1988. Man's long-term impact on sedimentation: Evidence from salt pond deposits. U.S. National Park Service. Biosphere Reserve Report no. 23. Island Resources Foundation, St. Thomas, VI. [XI, VI, IRFV, STJ, VIRMC, GEOL, ERSN, LAND]
291. Nichols, R., 1943. The breeding birds of St. Thomas and St. John. Mem. Soc. Cubana Hist. Nat. 17:23-37. [XL, VI, CK BIRD, BIOL, ECOL, SIT STJ]
292. Nicholson, A., 1979. Land use on St. John, V.I. Univ. Virginia. [XL, VI, IRFV, STJ, LAND]
293. Nicholson, D., 1983. English Harbour, Antigua: A historical and archaeological sketch. Antigua Arch. Soc., St. John's, Antigua. [XL, AG, IRFV, HIST, PARK ARCH]
294. Norton, R., 1983. Bird survey of Ane gada, British Virgin Islands. ECNAMP Working Document, St. Croix, VI. [XL, VG, ECNAMP, PARK ANEG, BIRD, WLDLF, ECOL, BIOL ]
295. Norton, R., 1983. Birds of the Virgin Islands National Park VINP. [XL, VI, CK PARK BIRD, BIOL]
296. Norton, R., 1986. Birds of St. John, USVI.: A National Park Checklist. Eastern Parks and Monuments Association. [XL, VI, CK STJ, PARK BIRD, BIOL]
297. O'Callaghan, P., 1987. Marine park development in Jamaica. Dept. Reg. Dev., OAS, Washington, DC. [XL, JM, CK PARK RESMGT]
298. O'Neal, M., 1984. The Baths Protected Area Project: Socio-cultural aspects (draft). Prep. for BVI Parks and Protected Areas Project. [XL, VG, ECNAMP, PARK GORDA, SOC, CULT, LAND]
299. O'Neal, R., c1984. The development, conservation and preservation of the North Sound Harbour area, Virgin Gorda. [XL, VG, IRFV, PARK RESMGT, PORT, GORDA ]
300. Odum, W., 1976. Ecological guidelines for tropical coastal development. IUCN Publ. New Ser. No. 42. [XL, REG, IRFV, RESMGT, PARK MGRV, BEACH, REEF, CSTZ, ECOL, ZONE]
301. Oldfield, S., 1987. Fragments of paradise: A guide for conservation action in the UK dependent territories. Pisces Publ., Oxford, UK. [XL, REG, IRFV, PARK RESMG71]

302. Olwig, K., 1980. National parks, tourism and local development: A West Indian case. *Human Organization*, 39(1):22-31. [XL, REG, ECNAMP, TOUR PARK DEVE, ECON]
303. Olwig, K., 1986. Cultural adaptation and resistance on St. John: Three centuries of Afro-Caribbean life. Gainesville, Fla. [XL, VI, CK STJ, CULT, HIST]
304. Operation Raleigh, 1986. Management of the north coast of Providenciales and Leeward Cays: Resources and recommendations for protected areas. Report on the Turks and Caicos Islands expedition. Univ. New York, New York, NY. [XL, TC, CK RESMGT, PARK]
305. Operation Raleigh, 1987. Management of the marine and coastal resources of the island of Grand Turk and recommendations for protected areas. Report on the Turks and Caicos Islands expedition. Univ. New York, New York, NY. [XL, TC, CK RESMGT, MARRES, CSTZ, PARK]
306. Organization of American States, 1984. Pre-investment study of the development of Pigeon Island National Park, St. Lucia (+appendices). Dept. Reg. Dev., OAS, Washington, DC. [XL, LC, CK PIGISL, PARK TOUR IN VS T, DEVE]
307. Organization of American States, 1986. Marine protected areas of the OAS Caribbean member states. Dept. Reg. Dev., OAS, Washington, DC. [XL, REG, IRFV, PARK RESMGT]
308. Organization of American States, 1989. Proposal for the development of the Pitons National Park. Dept. Reg. Dev., OAS, Washington, D.C. [XL, LC, IRFV, PARK DEVE, RESMGT, TOUR]
309. Organization of American States, and National Park Service, 1988. Inventory of Caribbean marine and coastal protected areas. Dept. Reg. Dev., OAS/Off. Int.Aff., NPS, Washington, DC. [XL, REG, IRFV, PARK]
310. Parc Naturel de Guadeloupe, 1976-1979. Life zones series. Office National de Forets, Basse-Terre, Guadeloupe. [XL, FR ECNAMP, GP, PARK BIOL, BOTNY]
311. Parc Naturel de Guadeloupe, 1978. Parc Naturel de Guadeloupe: Guide de decouverte. Office National de Forets, Basse-Terre, Guadeloupe. [XL, FR ECNAMP, GP, PARK RESMGT]
312. Parks-Canada and U.S. National Park Service, 1982. Toward the biosphere reserve: Exploring relationships between parks and adjacent lands. Proc. Int. Symp., Kalispell, Montana, June 2-24,1982. [XZ, GEN, IRFV, PARK RESMGT]
313. Patterson, S., 1982. Social impact assessment in the National Park Service. Amer. Soc. Publ. Admin., Honolulu, HI. [XZ, GEN, IRFV, PARK SOC, EIA, RESMGT]

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314. Pauli, D. and Cole, H. (eds.), 1970. Project Tektite I: A multiagency 60-day saturated dive conducted by the United States Navy, the National Aeronautic and Space Administration, the Department of the Interior, and General Electric Co. Office of Naval Research, Washington, DC, ONR Report DR 153. [XL, VI, IRFV, SRJ, LOBST, SHRIMP, ECOL, GEOL, BIOL, HLTH]

315. Peacock, N., 1973. A proposal for a marine parks scheme for Anguilla. Unpubl. [XL, AI, IRFV, ECNAMP, PARK MARRES]

316. Penfold, J., et al., c1979. Preservation of national park values. Source unknown. [XZ, GEN, IRFV, PARK RESMGT]

317. Portecop, J. and Imbert, D., c1988. Project for the Grand Cul-de-Sac Marin Reserve in Guadeloupe. Workshop on Coastal Protected Areas in the Lesser Antilles. [XL, FR, IRFV, GP,, PARK MGRV, RESMGT]

318. Posner, B., 1981. Economic impact analysis for the Virgin Islands National Park. Prep. for U.S. Nat. Park. Serv., by IRF, St. Thomas, V.I. [XL, VI, IRFV, ECNAMP, STJ, ECON, PARK]

319. Potter, B., Green, K. and Goodwin, M., 1988. Management of natural resource information for the Virgin Islands National Park and Biosphere Reserve. Special biosphere reserve report. Island Resources Foundation, St. Thomas, V.I. [XL, VI, IRFV, ECNAMP, VIRMC, RESMGT, VINP, GIS, PARK]

320. Potter, L., Clarke, N. and Geoghegan, T., 1986. Background information on the Anegada proposed protected area. BVI Parks and Protected Areas Project. [XL, VG, ECNAMP, PARK RESMGT, SOCEC]

321. Pressick, M., 1972. Competition and coexistence of ant populations on St. John, Virgin Islands. Ph.D. dissertation, Univ. Kansas, Lawrence, Kans. [XL, VI, CK STJ, ECOL, BIOL]

322. Provenzano, A., 1961. Pagroid crabs (decapoda Anomura) from St. John, V.I. with descriptions of three new species. Crustaceana, 3(2):151-166. [XL, VI, VINP, CRAB, PA BIOL, STJ]

323. Puerto Rico Government, 1980. Regulations for the use, management and administration of recreational areas under the jurisdiction of the Department of Natural Resources. Dept. Nat. Res., San Juan, PR. [XL, PR, IRFV, RESMGT, RECREATION, PARK]

324. Puerto Rico Government, 1981. Proposed Puerto Rico marine sanctuary sites: La Parguera, La Coerdillera-Culebra, Mona-Monito. Sanct. Prog. Off. Dept. Nat. Res., San Juan, PR. [XL, PR, IRFV, PARK RESMGT]

325. Puerto Rico Government, c1979. Puerto Rico marine sanctuary. Dept. Nat. Res., San Juan., PR. [XL, PR, IRFV, PARK RESMGT]

326. Pulsipher, L., Nicholson, D. and Righer, E., 1983. Archaeological demonstration at Brimstone Hill: An activity of historical resource development in the Eastern Caribbean. Pres. workshop Brimstone Hill. St. Kitts, 21-23 October 1983. Island Resources Foundation, St. Thomas, VI. [XL, KN, IRFV, ARCH, BRMHIL, HIST]
327. Purcell, T., 1980. The effects of rainfall on two undeveloped tropical bays in St. John, U.S. Virgin Islands. Carib. Res. Inst., Water Res. Cent., Tech. Report no.5. [XL, VI, IRFV, STJ, HYDR, WATER, BIOL]
328. Putney, A., 1983. Outline of management alternatives, Cabrits Development Area (Dominica). ECNAMP, St. Croix, VI. [XL, DM, IRFD, ECNAMP, RESMGT, CABRITS, PARK INS T]
329. Putney, A., 1987. Conceptual framework for the management of the Virgin Islands Biosphere Reserve. U.S. National Park Service. Biosphere Reserve Report no. 16. Island Resource Foundation, St. Thomas, VI. [XL, VI, IRFV, ECNAMP, STJ, VIRMC, RESMGT, PARK]
330. Putney, A., 1987. Data synthesis and development of a basis for zoning of the Virgin Islands Biosphere Reserve. U.S. National Park Service. Biosphere Reserve Report no. 15. Island Resources Foundation, St. Thomas, VI. [XL, VI, IRFV, ECNAMP, STJ, VIRMC, ZONE, RESMGT, LAND, PARK]
331. Putney, A., et al., 1983. Background information on the proposed Cabrits National Park. ECNAMP, St. Croix, VI. [XL, DM, IRFD, ECNAMP, CABRITS, PARK RESMGT]
332. Putney, A., et al., 1984. Cabrits 2000: Development concepts for the pro posed Cabrits National Park, Dominica. East. Carib. Nat. Areas Mgt. Pro ./Govt. Dom., ECNAMP Report no.2. [XL, DM, IRFV, ECNAMP, PARK CAB TS, RESMGT, HIST]
333. Ramdial, B., 1972. The importance of forest reserves and wildlife sanctuaries in Trinidad and Tobago. Govt. Printery, Trinidad. [XL, IT, IRFV, FSTRY, WLDF, RESMGT, PARK POLL, ECON, TOUR]
334. Ramos-Perez, C. and Gines-Sanchez, C., 1988. Geochemistry of St. John and influence on marine systems. U.S. National Park Service. Biosphere Reserve Report no. 28. Island Resources Foundation, St. Thomas, VI. [XL, VI, IRFV, STJ, VIRMC, GEOC, GEOL, HYDR, ECOL]
335. Randall, J., 1959. Reef and inshore fishery research St. John, Virgin Islands. Mar. Lab., Univ. Miami Q. Rpt. [XL, VI, VINP, STJ, PARK FISH, REEF]
336. Randall, J. and Schroeder, 1962. New underwater park. Sea Frontiers. [XL, VI, VIER, PARK VINP, STX]
337. Ray, C., 1968. Marine parks for Tanzania. Conservation Foundation, Washington, DC. [XZ, GEN, IRFV, PARK RESMGT]

338. Ray, C. and Sprunt, A., 1971. Parks and conservation in the Turks and Caicos Islands. Turks & Caicos Isl. Govt., Grand Turk, Turks & Caicos Isl. [XL, TC, CK, PARK, RESMGT]

339. Ray, G., 1975. Conservation of marine biota with particular reference to the role of marine parks and reserves. IUCN 13th Tech. Mtg., Kinshasa, Zaire. 7-19 Sept. 1975. [XZ, GEN, IRFV, PARK, RESMGT]

340. Ray, G., et al., 1981. Interim guidelines for identification and selection of coastal biosphere reserves. U.S. MAB Report No. 6. [XZ, GEN, IRFV, PARK, CSTZ, RESMGT]

341. Renard, Y., 1987. Management plan for the Levera National Park. Dept. Reg. Dev., OAS, Washington, DC. [XL, GD, IRFV, ECNAMP, PARK, RESMGT]

342. Rickey, D., 1986. Pigeon Island National Park, St. Lucia: Visitor center exhibits plan. Pigeon Island National Park, St. Lucia. [XL, LC, IRFV, PIGISL, RODBAY, PARK, EDUC]

343. Riegert, T., 1985. Camerhogne Park project. OAS, Washington, DC. [XL, GD, CK, PARK]

344. Rivera, L., McKinzie, W. and Williamson, H., 1966. Soils and their interpretation for various uses. St. Thomas, and St. John, Virgin Islands. U.S. Dept. Agri., Soil Conserv. Serv., Carib. Area. [XL, VI, IRFV, STT, STJ, AGRI, SOIL, CONSTR]

345. Robertson, W., 1957. Biology report - Initial study and development survey, Virgin Islands National Park. Office Report, VINP, St. Thomas, VI. [XL, VI, CK, BIOL, STJ, VINP]

346. Robertson, W., 1962. Observations on the birds of St. John, Virgin Islands. The Auk 79:44-76. [XL, VI, CK, BIRD, BIOL, STJ]

347. Robertson, W., Peetz, E. and Haraden, R., c1960. A report on park development recommendations: Virgin Islands National Park. East. Off., Div. Design & Constr., Nat Park Serv., Washington, DC. [XL, VI, IRFV, STJ, PARK, DEVE, BEACH, RECREATION, INFRA]

348. Robinson, A., 1972. Short impact survey, Caneel Bay, Virgin Islands National Park. NPS Report. [XL, VI, CK, EIA, STJ, VINP]

349. Robinson, A., 1973. Natural versus visitor-related damage to shallow water corals: Recommendations for visitor management and the design of underwater nature trails in the Virgin Islands. V.I. National Park, St. John, VI. [XL, VI, IRFV, STJ, RESMGT, REEF, PARK]

350. Robinson, A., 1975. Marine research and resource management in Virgin Islands National Park. In: Proc. AAAS-NPS Symposium: Research in the National Parks (Dec. 1970) p 131-138 [XL, VI, CK, STJ, BIOL, RESMGT, VINP, PARK]

## PARKS AND PROTECTED AREAS BIBLIOGRAPHY

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351. Robinson, A., 1975. Recreation, interpretation and environmental education in marine parks: Concepts, planning, techniques, problems and future directions. Int. Conf. Marine Parks/Reserves, Tokyo, Japan, 12-14 May 1975. [XZ, GEN, IRFV, PARK, RECREATION, EDUC, RESMGT]
352. Robinson, A., 1979. Identification and development of a national park system in Antigua and barbuda. Project of Govt. of Antigua-Barbuda, St. John's, Antigua. [XL, AG, IRFV, ECNAMP, RESMGT, HIST, PARK]
353. Robinson, L., 1987. New mooring system could reduce coral damage. Makai, 9(5):1,5. Univ. Hawaii Sea Grant College Prog., Honolulu. [XP, GEN, CK, SAIL, PORT, REEF, RESMGT]
354. Rogers, C., 1985. Towards a Lesser Antillean biosphere reserve. Parks 10(3):22-24. [XL, VI, IRFV, ECNAMP, RESMGT, PARK]
355. Rogers, C., 1988. Recommendations for long-term assessment of coral reefs: U.S. National Park Service initiates regional program. NPS Report, St. Thomas, VI. [XL, VI, CK, PARK, CORAL, REEF, BIOL]
356. Rogers, C., 1988. Synthesis of selected resource management information for Virgin Islands national Park and Biosphere Reserve. U.S. National Park Service. Biosphere Reserve Report no. 29. Island Resources Foundation, St. Thomas, VI. [XL, VI, IRFV, ECNAMP, STJ, VIRMC, ECOL, RESMGT, PARK]
357. Rogers, C. and Zullo, V., 1985. Research and resource management program at Virgin Islands National Park/Biosphere Reserve. Park Sci. 5(4):3. [XL, VI, IRFV, STJ, PARK, RES, RESMGT]
358. Rogers, C. and Zullo, E., 1987. Initiation of a long-term monitoring program for coral reefs in the Virgin Islands National Park. U.S. National Park Service. Biosphere Reserve Report no. 17. Island Resources Foundation, St. Thomas, VI. [XL, VI, IRFV, ECNAMP, STJ, VIRMC, CORAL, BIOL, ECOL, RES, PARK]
359. Rogers, C., Fitz, H. and Gilnack, M., 1982. Coral reefs, mangroves, and seagrass beds of the Northern Virgin Gorda, British Virgin Islands. Prep. for ECNAMP/Govt. BVI, St. Croix, VI. [XL, VG, ECNAMP, PARK, REEF, MGRV, SGRS, GORDA, FISH]
360. Rogers, C., McLain, L. and Zullo, E., 1988. Recreation uses of marine resources in the Virgin Islands National Park and Biosphere Reserve: Trends and consequences. U.S. National Park Service. Biosphere Reserve Report no. 24. Island Resources Foundation, St. Thomas, VI. [XL, VI, IRFV, ECNAMP, STJ, VIRMC, RECREATION, RESMGT, PARK]
361. Rundel, P., 1974. An annotated bibliography of West Indian plant ecology. Biblio. Ser. 1, Bureau of Libraries and Museums Dept. Conserv. Cult. Aff., V.I. Govt. 72pp. [XL, REG, IRFV, BIB, BOTNY, ECOL]
362. Salm, R., 1980. Anguilla: Coral reefs and the marine parks potential. Prep. for ECNAMP and Govt. Anguilla. [XL, AI, ECNAMP, REEF, PARK, RESMGT, FISH]

363. Salm, R., 1980. British Virgin Islands: Evaluation of the proposed protected areas. Prep. for BVI Parks and Protected Areas Project. [XL, VG, ECNAMP, PARK, RESMGT, MARRES]

364. Salm, R., 1980. Guidelines for the establishment of coral reef reserves. WWF/Int. Union Conserv. Nature, Switzerland. [XL, REG, ECNAMP, REEF, PARK, RESMGT]

365. Salm, R., 1984. Ecological boundaries for coral reef reserves: Principles and guidelines. Env. Conserv., 11(3):209-215. [XZ, GEN, IRFV, ECOL, REEF, CORAL, PARK, MARRES]

366. Salm, R. and Clark, J., 1984. Marine and coastal protected areas: A guide for planners and managers. Int. Union Conserv. Nature, Switzerland. [XZ, GEN, ECNAMP, PARK, RESMGT]

367. Saunier, R., 1987. Bahamas marine park project. Dept. Reg. Dev., OAS, Washington, DC. [XL, BS, CK, PARK]

368. School for Field Studies Coral Reef Ecology Course, 1986. The decline of spiny lobster, (*panulirus argus*), populations since 1970 in Lameshur Bay and surrounding waters of the Virgin Islands. Report to the National Park Service, St. John, VI. [XL, VI, IRFV, PARK, FISH, LOBST, BIOL, ECOL]

369. Shanks, D. and Putney, A., 1979. Dominica forest and park system plan. East. Carib. Nat. Areas Mgt. Prog., St. Croix, VI. [XL, DM, IRFD, ECNAMP, FSTRY, PARK, RESMGT]

370. Shelton, N., 1986. Le Parc National des Volcans biosphere reserve. Draft report. [XZ, GEN, IRFV, PARK, RESMGT]

371. Shelton, N., 1986. Southern Appalachians biosphere reserve: An evolving application of the cluster concept. Unpubl. draft. [XZ, GEN, IRFV, PARK, RESMGT]

372. Shelton, N., 1986. The Talamanca Range-La Amistad biosphere reserve. Draft report. [XZ, GEN, IRFV, PARK, RESMGT]

373. Shelton, N. and Gilbert, V., 1980. Recent progress in U.S. biosphere reserves. Symp. on MAB, AAAS Annual Mtg, San Francisco, CA. [XZ, GEN, IRFV, PARK, RESMGT]

374. Shimoda, J., 1975. Pu'uhonua-o-Honaunau: Place of refuge. Nat. Parks & Conserv. Mag., February:4-8. [XZ, GEN, IRFV, PARK, RESMGT]

375. Simmons, D. (ed.), 1989. Caribbean workshop on project development for national parks and protected areas. March 6-13, 1989, Commonwealth of Dominica. Carib. Conserv. Assoc. Barbados. [XL, REG, IRFV, PARK, RESMGT, LEG]

376. Small, V., 1982. Sea turtle nesting at Virgin Islands National Park and Buck Island Reef National Monument, 1980 and 1981. Nat. Sci. & Res. Div., Nat. Park Serv., S.E. Reg. Off., Atlanta, GA. [XL, VI, IRFV, PARK TURTLE, BIOL, ECOL, RESMGT]
377. Smathers, G., 1982. Man as a factor in Southern Appalachian bald formation and illustrations of selected sites along the Blue Ridge Parkway in North Carolina. Nat. Park Serv., S.E. Reg. Off., Atlanta, GA. [XZ, GEN, IRFV, PARK ECOL, RESMGT, FSTRY]
378. Smith, A., 1983. Observations on the marine plants and hermytic corals of Maria Islands, St. Lucia. Prep. for ECNAMP, St. Lucia. [XL, LC, ECNAMP, BIOL, CORAL, MARIA, PARK]
379. Smith, A., 1987. Survey and zonation of the marine component of the proposed Soufriere National Park. Dept. Reg. Dev., OAS, Washington, DC. [XL, LC, CK PARK RESMGT, ECOL, MARSCII]
380. Snow, D., 1987. The Cabrits: Historic structure report. Cabrits National Park, Dominica. [XL, DM, IRFV, ECNAMP, PARK CABRITS, ARCT]
381. Spenser, H., 1950. Mongoose control research project, Virgin Islands. October-November 1950. Fish & Wildlife Service, Washington, DC. [XL, VI, IRFV, RESMGT, PARK MONG, BIOL]
382. St. Lucia National Trust, and Central Planning unit, 1983. St. Lucia. Biosphere reserves and other protected areas for sustained development of small Caribbean islands. Castries, St. Lucia. [XL, LC, IRFV, NATRES, RESMGT, PARK DEVE, ENT]
383. St. Vincent and the Grenadines Government, 1988. Forestry, national parks and watershed protection act. Draft. Kingstown, St. Vincent. [XL, VC, IRFV, FSTRY, PARK WSHMGT, RESMGT, LEGJ]
384. Stoevener, H., Rettig, R. and Reiling, S., 1974. Economic impact of outdoor recreation: What have we learned? Oregon State Sea Grant College Program, Reprint no. ORESU-R-74-028. [XZ, GEN, IRFV, PARK SOC, ECON, RECREATION]
385. Strang, W., c1970. Recreation and the local economy: Implications for economic and resource planning. Source unknown. [XZ, GEN, IRFV, RECREATION, PARK ECON, RESMGT]
386. Swank, W. and Julien, C., 1975. Wildlife management and protection: Distribution and status of wildlife in Dominica. Proj. Working Doc. No.1, FAO, Rome. [XL, DM, IRFV, PARK WLDF, RESMGT]
387. Swanson, E., 1969. Travel and the national parks: An economic study. Nat. Park Serv., Washington, DC. [XZ, GEN, IRFV, PARK TOUR, ECON]

388. Sybesma, J., c1979 The R.T. buoy: A simple and inexpensive mooring buoy. Parks, :19-20. [XZ, GEN, IRFV, SAIL, RESMGT, PARK]

389. Teytaud, A., 1983. Study of management alternatives for the proposed protected areas at Sandy Cay and Norman Island, BVI. Prep. BVI Parks and Protected Area Project. [XL, VG, ECNAMP, RESMGT, PARK]

390. Teytaud, A., 1988. Environmental factors and potential natural vegetation in St. John, U.S. Virgin Islands. Island Resources Foundation. Report to NPS, 40pp. [XL, VI, IRFV, STJ, BOTNY, ECOL]

391. Thelen, K. and Faizool, S., 1980. Policy for the establishment and management of a national park system in Trinidad and Tobago. Forestry Div., Min. Agri., Lands & Fish., Port-of-Spain, Trinidad. [XL, TT, IRFV, PARK, RESMGT]

392. Thorsell, J., 1979. National parks in developing countries - The Dominican experience. Agri. Forestry Bull., 2(1):17-19. [XL, DM, IRFD, RESMGT, PARK]

393. Thorsell, J., 1982. National parks from the ground up: A post-audit of experience from Dominica, West Indies. Unpubl. report. [XL, DM, IRFV, PARK, RESMGT]

394. Thorsell, J., 1985. The role of protected areas in maintaining biological diversity in tropical developing countries. IUCN, Morges, Switzerland. [XZ, GEN, IRFV, PARK, BIOLDIV, RESMGT]

395. Thorsell, J. and Wood, G., 1976. Dominica's Morne Trois Pitons National Park. Nature Canada, 5(4): [XL, DM, IRFV, PARK, RESMGT]

396. Tilmant, J. and Schmahl, G., c1980. A comparative analysis of coral damage on recreationally use reefs within Biscayne National Park, Florida. Unpubl. report. [XZ, GEN, IRFV, CORAL, REEF, RESMGT, PARK, RECREATION]

397. Tindall, B., 1973. National parks in the world community. Parks & Recreation, February:24-53. [XZ, GEN, IRFV, PARK, RESMGT]

398. Tobias, W., Telemaque, E. and Davis, M., 1988. Buck Island fish and shellfish populations. U.S. National Park Service. Biosphere Reserve Report no. 26. Island Resources Foundation, St. Thomas, VI. [XL, VI, IRFV, ECNAMP, STJ, VIRMC, FISH, ECOL, RESMGT, STK, PARK]

399. Torres, L., 1985. Camerhogne Park project. OAS, Washington, DC. [XL, GD, CK, PARK]

400. Towle, E., 1975. National parks of the Caribbean Area. Publ. Biol. Inst. Invest. Cient., 1(7):195-208. [XL, REG, IRFV, PARK, RESMGT]

401. Towle, E., 1979. Policy guidelines relating to development and management of the national park system in Dominica. Island Resources Foundation, St. Thomas, VI. [XL, DM, IRFV, PARK, CABRITS, RESMGT]

PARKS AND PROTECTED AREAS BIBLIOGRAPHY

402. Towle, E., 1979. Springfield Estate: Potential as a research/nature centre serving Dominica and the national park system. Island Resources Foundation, St. Thomas, VI. [XL, DM, IRFV, PARK RESMGT]

403. Towle, E. and Hanif, M., 1973. National parks in the Caribbean area. Presented at an Inter-American scientific meeting, "Science and Man in the Americas" in Mexico City, June 20-July 4, 1973. Nat. Council Sci. Tech./Amer. Assoc. Adv. Sci. [XL, REG, IRFV, PARK RESMGT]

404. Towle, E. and Teytaud, A., 1982. Caribbean island resource management: An annotated bibliography. Island Resources Foundation, St. Thomas, VI. U.S. MAB Misc. Publ. no. 2. [XL, REG, IRFV, RESMGT, BIB]

405. Trinidad and Tobago Government, 1979. Management and development plan: Caroni Swamp National Park. Forestry Div., Min. Agri., Lands & Fish., Port-of-Spain, Trinidad. [XL, TT, IRFV, PARK RESMGT, ECOL, BOTNY, BIOL, WATER, GEOL]

406. Trinidad and Tobago Government, 1980. Interpretive plan: Caroni Swamp National Park. Forestry Div., Min. Agri., Lands & Fish., Port-of-Spain, Trinidad. [XL, TT IRFV, PARK RESMGT, EDUC]

407. Tyson, G., 1976. The Enighed Estate and ruin of St. John, U.S. Virgin Islands: A historical survey. Prep. for Dept. Conserv. Cult. Aff., by IRF, St. Thomas, VI. [XL, VI, IRFV, STJ, HIST, ARCH]

408. Tyson, G., 1984. A history of land use of St. John, 1718-1950. Preliminary report for Virgin Islands National Park. St. Thomas, VI. [XL, VI, CK PARK HIST, LAND, STJ]

409. Tyson, G., 1987. Historic land use in the Reef Bay, Fish Bay, and Hawksnest Bay watersheds, St. John, U.S. Virgin Islands, 1718-1950. U.S. National Park Service. Biosphere Reserve Report no. 19. Island Resource Foundation, St. Thomas, VI. [XL, VI, IRFV, STJ, VIRMC, HIST, LAND, WSHMG7 ]

410. U.S. Department of Commerce, 1983. Proposed La Parguera national marine sanctuary draft environmental impact statement and management plan. Prep. NOAA and Dept. Nat. Res., San Juan, PR. [XL, PR, IRFV, EIA, RESMGT, PARK PLAN]

411. U.S. Department of the Interior, 1975. Management Policies. National Park Service, Washington, DC. [XL, REG, VIED PARK LEG, PUBMGT]

412. U.S. Virgin Islands Government, 1977. Development of an interpretive program for the territorial park system. Memo, Dept. Conserv. Cult. Aff., St. Thomas, VI. [XL, VI, IRFV, PARK RESMGT, EDUC]

413. U.S. Virgin Islands Government, 1986. Viewing our world in the Virgin Islands. A guide to community and human resources: St. Thomas/St. John. Dept. Educ., St. Thomas, VI. [XL, VI, VIER, STT, STJ, PARK SOC]

414. Udvardy, M., 1975. A classification of the biogeographical provinces of the world. IUCN Occ. Paper no. 18. [XZ, GEN, IRFV, PARK, RESMGT, ECOL, BIOGEOG]
415. Udvardy, M., 1984. A biogeographical classification system for terrestrial environments. In: McNeely, J. and Miller, K. (eds.), National Parks, Conservation, and Development, :34-38. Smithsonian Inst. Press, Washington, DC. [XZ, GEN, IRFV, BIOGEOG, ECOL, BIOL, PARK]
416. United Nations Educational, Scientific and Cultural Organization (UNESCO), 1974. Programme on Man and the Biosphere (MAB) task force on: Criteria and guidelines for the choice and establishment of biosphere reserves. UNESCO, Paris, France. [XZ, GEN, IRFV, PARK, RESMGT]
417. United Nations Educational, Scientific and Cultural Organization (UNESCO), 1979. MAB information system: Biosphere reserves. UNESCO, Paris, France. [XZ, GEN, IRFV, PARK, RESMGT, INFO]
418. United Nations Educational, Scientific, and Cultural Organization (UNESCO), 1984. Action plan for biosphere reserves. Paris. [XZ, GEN, IRFV, PARK, RESMGT]
419. United Nations Educational, Scientific and Cultural Organization (UNESCO), 1984. Conservation, science and society. Contributions to the First International Biosphere Reserve Congress, Minsk, Byelorussia, USSR. 26 September-2 October 1983. UNESCO/UNEP, Paris, France. 2 Vols. [XZ, GEN, IRFV, PARK, RESMGT, BIOGEOG, ECOL]
420. United Nations Educational, Scientific and Cultural Organization (UNESCO), 1984. List of national committees for the programme on Man and the Biosphere. UNESCO, Paris, France. [XZ, GEN, IRFV, PARK, MAB, RESMGT, INST]
421. United Nations Environment Program, 1986. Industry and environment. Carrying capacity for tourism activities. *Industry and Environment*, 9(1):1-32. [XZ, GEN, IRFV, TOUR, ECON, PARK, REEF, RESMGT]
422. Van't Hof, T., c1985. The economic benefits of marine parks and protected areas in the Caribbean Region. Prep. for Sanct. Prog. Div., NOAA, Washington, DC. [XL, REG, IRFV, ECNAMP, PARK, ECON, TOUR]
423. Van't Hof, T., 1985. Management plan, Curacao Underwater Park. Netherlands Antilles National Parks Foundation. [XL, AN, ECNAMP, PARK, RESMGT]
424. Van't Hof, T., 1985. Managing a marine park. Prep. for Sanct. Prog. Div., NOAA, Washington, DC. [XZ, GEN, IRFV, ECNAMP, RESMGT, PARK]
425. Van't Hof, T., 1985. Saba Marine Park: A proposal for integrated marine resource management in Saba. Netherlands Antilles National Parks Foundation [XL, AN, IRFV, PARK, RESMGT]

426. Van't Hof, T., 1988. Guide to the Bonaire Marine Park. Bonaire Trading Co., Kralendijk, Bonaire. [XL, AN, CK, PARK, BIOL, ECOL]
427. Vincent, G., 1981. A report on the proposed Levera National Park, Grenada. ECNAMP, St. Croix, VI, vol. 1. [XL, GD, IRFV, ECNAMP, LEV, PARK, NATRES, SOCEC]
428. Virgin Islands National Park, 1980. Virgin Islands National Park land acquisition plan. Nat. Park Serv., Southeast Reg., Atlanta, GA. [XL, VI, IRFV, STJ, LAND, PARK]
429. Virgin Islands National Park, 1987. Virgin Islands National Park shoreline management plan. Res. Mgt. Div., V.I. Nat. Park, St. John, VI. [XL, VI, IRFV, STJ, PARK, CSTZ, RESMGT, LAND]
430. Virgin Islands National Park, c1986. Cultural resources management plan. Draft. V.I. Nat. Park, St. John, VI. [XL, VI, IRFV, STJ, PARK, CULT, RESMGT, ARCH, HIST]
431. von Eggers, H., 1879. The flora of St. Croix and the Virgin Islands. U.S. Nat. Mus. Bull. 13. [XL, VI, CK, STX, BOTNY]
432. Wallis, O., 1971. Establishing underwater parks worldwide. Trans. 36th North American Wildlife and Natural Resources Conference. 7-10 March 1971. Wildlife Management Institute, Washington, DC. [XZ, GEN, IRFV, PARK, RESMGT]
433. Walsh, R., 1980. An economic evaluation of the general management plan for Yosemite National Park. Colo. Water Res. Research Inst., Colo. State Univ., Fort Collins, CO. [XZ, GEN, IRFV, ECON, PARK, RESMGT]
434. Weaver, P. and Chinea-Rivera, J., 1988. A phytosociological study of Cinnamon Bay watershed, St. John, U.S. Virgin Islands. Rpt. to VINP, St. Thomas, VI. [XL, VI, CK, ECOL, STJ, WSHMGT]
435. Weber, B., 1973. National park creation in a developing nation: A case study of Dominica, West Indies. Colorado State Univ., Fort Collins, CO. [XL, DM, CK, PARK, DEVE]
436. West Indies Laboratory, 1982. The bight at Norman Island, British Virgin Islands: Survey of a potential park site. Prep. for BVI Parks and Protected Areas Project. [XL, VG, ECNAMP, PARK, BIOL, ECOL]
437. West Indies Laboratory, 1983. The reefs of Anegada Island, British Virgin Islands: Survey of potential marine park sites. Prep. for BVI Parks and Protected Areas Project. [XL, VG, ECNAMP, ANEG, PARK, REEF, ECOL]
438. West Indies Laboratory, 1985. A survey of the Dog Islands and sites south and west of Virgin Gorda, British Virgin Islands. Prep. for ECNAMP, St. Croix, VI. [XL, VG, ECNAMP, GORDA, ECOL, PARK, CORAL, FISH]

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439. White, C. and Milton, J., 1969. The urgent need for effective conservation on Dominica. Int. Union Cons. Nat. Bull., 2:93-98. [XL, DM, CK PARK RESMGT]
440. White, D., 1982. The Cabrits: An inventory of existing conditions, an emergency stabilization plan, and development recommendations for stabilization and restoration. IRF, St. Thomas, VI for ECNAMP, St. Croix, VI. [XL, DM, IRFD, ECNAMP, CABRITS, PARK RESMGT, HIST]
441. White, M., Jackson, I. and Clarke, N., 1985. Cane Garden Bay. ECNAMP, St. Croix, VI. [XL, VG, ECNAMP, PARK HIST, ECOL, WLDLF, BOTNY]
442. Wilcox, B., c1983. Biosphere reserves and the preservation of biological diversity. Source unknown, :207-217. [XZ, GEN, IRFV, PARK RESMGT, BIOLDIV]
443. Williams, R., 1962. Final report on the sand fly survey studies on St. John, USVI: 1959 and 1961. School of Med. Entom., Columbia Univ., New York, NY. [XL, VI, IRFV, STJ, INSCT, BIOL]
444. Williams, S., 1988. Assessment of anchor damage and carrying capacity of seagrass beds in Francis and Maho Bays for green sea turtles. U.S. National Park Service. Biosphere Reserve Report no. 25. Island Resources Foundation, St. Thomas, VI. [XL, VI, IRFV, STJ, VIRMC, RESMGT, SAIL, SGRS, TURTLE)
445. Williams, V., 1983. Country summary: St. Kitts-Nevis. Workshop on biosphere reserves and other protected areas of the Lesser Antilles. St. John, USVI. Planning Unit, Basseterre, St. Kitts. [XL, KN, IRFV, ECNAMP, NATRES, RESMGT, PARK]
446. Wilson, A., 1987. Caribbean marine resources: A report on economic opportunities. Oceanus, 30(4):33-41. [XL, REG, IRFV, ECON, PARK RESMGT, ECOL, TOUR]
447. Wilson, C., 1982. Barbados: Country summary. Workshop on biosphere reserves and other protected areas of the Lesser Antilles. St. John, USVI. Ministry of Housing and Lands, Bridgetown, Barbados. [XL, BB, IRFV, ECNAMP, PARK RESMG71
448. Wood, J., 1984. Proceedings of the workshop on biosphere reserves and other protected areas for sustainable development of small Caribbean islands, May 10-12 1983. Atlanta, Georgia: U.S. Dept. of Interior, National Park Service. [XL, REG, IRFV, ECNAMP, PARK DEVE, RESMG71
449. Woodbury, R. and Little, E., 1979. Flora of Buck Island Reef National Monument (U.S. Virgin Islands). Forest Service Research Paper ITF-19, Inst. Trop. Forestry, PR. [XL, VI, IRFV, STX, BOTNY, PARK]
450. Woodbury, R. and Weaver, P., 1987. The vegetation of St. John and Hassel Island, U.S. Virgin Islands. Nat. Park Serv., Southeast Reg., Res./Res. Mgt. Report SER-83. [XL, VI, IRFV, PARK STT, STJ, VEG, BOTNY, BIOL, ECOL]
451. Woodworth, R., 1943. Economic plants of St. John, U.S. Virgin Islands. Bot. Mus. Leafl., Harvard Univ. 11:29-54. [XL, VI, CK ECON, BOTNY, STJ]

452. Wright, C., 1988. Draft review of protected areas systems in the Caribbean Islands. Prot. Areas Data Unit, World Conserv. Monitoring Centre. [XL, REG, IRFV, PARK, RESMGT]

453. Wright, D., 1977. A site evaluation scheme for use in the assessment of potential nature reserves. Biol. Conserv., 11:293-305. [XZ, GEN, IRFV, PARK, LAND, RESMGT]

454. Wright, R., 1985. Morne Trois Pitons National Park in Dominica: A case study in park establishment in the developing world. Ecol. Law Q., 12(4)747-778. [XL, DM, IRFV, ECNAMP, PARK, LEG, ENV, MTP]

455. Young, R. and Young, M., 1968. Analysis of beach sand and its relative movement by particle size. In: Contr. Geol. of the island of St. John, USVI. Amherst College, Amherst, MA. [XL, VI, CK, BEACH, SAND, GEOL, STJ]

456. Young, S., 1973. Size and diversity as factors in the selection of ecological preserves. Nat. Area Preserv. Symp., Houston, TX, Dec. 1973. [XZ, GEN, IRFV, PARK, ECOL, RESMGT]

457. Zieman, J., 1973. The ecological effects of motor boats on turtle grass beds in Everglades National Park. Nat. Park Serv., S.E. Reg. Off., Atlanta, GA. [XZ, GEN, IRFV, PARK, RESMGT, SGRS, SAIL]

458. Zube, E., Sell, J. and Taylor, J., 1982. Landscape perception: Research, application and theory. Landscape Planning, 9:1-33. [XZ, GEN, IRFV, LAND, PARK, RESMGT]

459. Zube, E., et al., 1968. The islands: Selected resources of the United States Virgin Islands and their relationship to recreation, tourism and open space. Prep. for U.S. Dept. Interior, Washington, DC. [XL, VI, IRFV, LAND, RECREATION, PARK, TOUR, RESMGT, NATRES, ARCH, HIST]

460. Zullo, E., 1986. Sea turtle nesting at Virgin Islands National Park and Buck Islands Reef National Monument. 1980-1985. NPS report. [XL, VI, ECNAMP, TURTLE, VINP, STJ, STX, BIOL]

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